

*Spring 1982*

CRITCHFIELD







Pioneer PL-L800 tangential tracking turntable, page 68



Sony XS-L20 subwoofer auto speakers, page 53



Blaupunkt CR-3001 component car stereo, page 44



Matrecs 4308, 4310, and 4315 home speakers, page 74





## WELCOME

I would like to personally welcome you to our new, expanded CRUTCHFIELD Catalog. Not only have we added the latest in car stereo products but we have expanded our Home Stereo, Safety and Security, Telephone and Personal Computer departments. Also, we've doubled the size of our our department which features the most fascinating special interest products we've seen.

Shopping the Crutchfield way is the safest, most efficient and economical way to buy your next piece of electronic equipment. Take my personal advice for getting the most from our highly respected buying service:

- 1 Read our carefully prepared articles.
- 2 Study our product selection and get a rough idea of what will fit your particular application.
- 3 Call one of our helpful Sales Technicians for expert consultation.
- 4 Place your order for a no obligation thirty day trial.

Following these four simple steps will insure that your next electronics purchase will be your most satisfying.

Sincerely,

William G. Crutchfield

## IN THIS ISSUE



### Car Stereo

page 4

Installation Guide	8
Mini In-Dash Cassettes	13
Full Size In-Dash Cassettes	18
Stereo Radios, 8-Tracks, Under-dash	31
Equalizer/Boosters	32
Speakers	34
Car Stereo Components	43
CB Radios	54
Antennas	55
Accessories	58



### Home Stereo

page 60

Systems and Ensembles	61
Receivers, Amplifiers, Tuners	64
Turntables	68
Tape Decks	70
Equalizers	73
Speakers	74
Headphones	75
Personal and Portable Stereos	76



### Security

page 80

Home Security and Alarms	81
Automobile Alarms	84



### Telephones

page 85

Telephone Dialers	86
Cordless Telephones	87
Answering Machines	88
One Piece Electronic Telephones	90
Basic Telephones and Accessories	91



### Computers

page 93

Computer Hardware	99
Computer Software	103



### et cetera

page 108

Great gadgets	108
Atari Video Games	110
Casiotone Music Maker	111



### Ordering

page 112

Copyright © 1982 by Crutchfield Corporation. All Rights Reserved. CRUTCHFIELD®, Popular Series®, Enthusiast Series®, and Connoisseur Series® are trademarks of Crutchfield Corporation. Crutchfield Corporation cannot be responsible for typographical errors in specifications or pricing.



## Buying the Perfect Car Stereo

### A Buyer's Guide In Seven Steps

You are now taking the first step in purchasing the best possible stereo for you and your car by reading this publication. The *Crutchfield Catalog* has been designed to make you the most informed, sophisticated car stereo shopper possible.

If you read on you will learn how to select the ideal system for your tastes and needs. Should you have any questions or encounter special problems, remember our courteous and knowledgeable sales staff is as close as a toll-free telephone call.



### 1 DECIDE ON THE TYPE

#### Mini v. full size

Many of the new subcompact, compact, and midsize cars are built so tightly that the average size car stereo will not fit in them. Our manufacturers have resolved this problem by making high quality "mini" stereos which will fit in Hondas, Toyotas, Datsuns, X-Bodies, and the other foreign and domestic automobiles which place interior space at a premium. If you own a J-Car, see our special J-car unit on page 17.

Look for the units in the Mini section on pages 13-16 if our charts indicate that's all that will easily fit in your car.

#### Integrated v. components

Most people will be completely satisfied with buying an integrated stereo with a pair of speakers. An integrated stereo is one in which all the parts of the receiver (the tuner, tape section, pre-amplifier, and amplifier) are contained on one chassis.

If lifelike reproduction of concerts and other music is your goal, one

limitation of the integrated stereo may orient you towards components: power. The largest amplifiers in integrated stereos only go up to 15 watts per channel (the average is around 4). By going the component approach (a front end in your dash that has the tuner, pre-amp, and tape section in it, with an amplifier mounted elsewhere) you will be able to utilize amplifiers having as much as 50 to 70 watts per channel.

Many feel that the best car stereo is available only with components. Other enthusiasts feel that a quality integrated stereo with an added booster amplifier (a second amplifier added between the integrated unit and the speakers) produces sound just as good. Our sales technicians can help you choose which route to take if you are not sure.

### 2 CHOOSE YOUR BUYING CLASS

Naturally you will have to make some determination about the features and performance you can afford. We have

placed our stereos into three buying classes and arranged them in ascending price order. This will help you quickly locate those units that fit your feature, performance, and budgetary requirements.

#### Popular Series

Crutchfield's Popular Series includes the cream of the middle-of-the-line equipment of our manufacturers. At a price people can afford, these stereos are an appropriate choice for those who want good sound at a reasonable cost. You need not sacrifice performance or features, either; the Popular Series offers a variety of choices in an affordable price range.

#### Enthusiast Series

The Enthusiast Series is for those who take their car stereo seriously. For a little more money, these stereos will give you superior levels of performance; a difference you will be able to hear and enjoy for years as they are beautifully engineered and crafted. At Crutchfield we generally regard the units in this category as our best buys. Features that you will find beneficial if you



critically listen to FM or tape are available in these stereos.

### Connoisseur Series

The Connoisseur Series is for those who will accept nothing but the very best. The performance of the stereos in this category rank with some of the very best home equipment. Their power levels and features make driving with these stereos like carrying a full orchestra in your back seat. If you're after the ultimate autosound experience, you'll find it in our Connoisseur Series stereos.

## 3 DETERMINE WHAT WILL FIT

Installing a stereo in your car can be as easy or as hard as you make it. Knowing what space your car provides and the dimensions of available car stereo equipment gives you a choice. If you match the dimensions of the stereo with the space available in your car, installation is usually a snap. We have tried to make it as easy as possible for you to determine these dimensions and spaces with our **Installation Applications Guide** which begins on the page 8. Carefully read "Using the Installation Guide" on page 7.

## 4 PICK YOUR FEATURES

### The Tuner

The tuner is the part of a car stereo which receives AM/FM programs. Following are various features which directly affect tuner performance:

**Local/Distance Switch:** In the local position this switch reduces the level of signal coming from the antenna. If you're close to a broadcast tower the high level of its signal can cause the tuner to overload and produce distorted sound. Positioning the switch in the "local" setting prevents this.

**Mono/Stereo Switch:** It takes a stronger signal to hear a station clearly in stereo than it does in mono. When a stereo signal's strength drops as you move away from the station you will start hearing noise and hiss. By switching to mono you will often be able to hear a clear signal again, but without the benefit of stereo sound.

**Auto High Blend:** Some units now come with special automatic separation/filter circuitry. Pioneer has this in its Supertuner II; Marantz's A.I.R. is such a circuit, and several other of our manufacturers offer these circuits. These circuits sense the signal and automatically blend it from stereo to mono by only the degree necessary to keep a clean sound.

**Muting:** The muting control prevents the tuner from playing weak, distorted stations and eliminates the irritating noise that you hear between stations when tuning.

**Pushbutton Tuning:** This is an absolute necessity if you consistently check out the program offering on several stations as you drive. There are two types of pushbutton tuning: mechanical and electronic. Mechanical pushbuttons require more effort to push and often require "fine tuning". Electronic pushbuttons require minimal effort (and hence are often termed "feathertouch" pushbuttons) and are extremely accurate.

**Seek and Scan Tuning:** With seek tuning the tuner automatically finds the next listenable station down the dial. Scan tuning finds the next listenable station down the dial, stays there five seconds or so, and then moves on to the next one. It will do this until you press a button and make it stay on a desired station.

### Amp/Preamp

This section of your car stereo controls sound quality. The function of the volume and balance controls are obvious. Other controls associated with this section are:

**Bi-Amp:** Bi-amping refers to sending bass signals to a woofer and high signals to a tweeter directly from two stereo amplifiers. The result is cleaner, tighter bass and very clear middle and high frequency reproduction. Bi-amping requires purchasing both a stereo and speaker system specifically designed for the purpose.

**Fader:** The fader control is a front to rear balance control for four speaker systems.

**Loudness:** The loudness switch compensates for low listening levels by accentuating low and high frequencies sound.

**Pre-Amp Output Jacks:** This feature allows you to hook up a separate main amplifier to the "front end" (the tuner, tape, and pre-amp sections) of your stereo. Consequently you can enjoy the benefits of higher, cleaner power than the internal amp of your stereo is capable of producing.

**Tone Controls:** The simplest tone control reduces the sound level of the high frequencies, and is the type found on all stereos unless otherwise specified. A better arrangement is to have separate controls that raise or lower the sound level of both bass and treble. Most sophisticated way to control the tonal value of your music is to buy a separate equalizer (usually also incorporating a booster amplifier). See page 32.

### Tape

When we say tape we almost always refer to features available on stereo cassette players now.

**Auto-Eject:** When a tape finishes playing one side it will automatically be expelled from the tape section. A variant on auto-eject is *power-off eject*, which expels the cassette when the stereo is turned off. This is very beneficial since it can harm both the tape and tape player if a cassette is left in the tape section when the power is turned off and then turned back on later.

**Auto Cue/Review:** Takes the guesswork out of finding the beginning or end of every selection on your cassette. Operates on the blank space between songs.

**Auto-Replay:** The tape will begin playing automatically after rewinding.

**Auto-Reverse:** With auto-reverse, instead of removing a cassette and flipping it over to hear the other side, the tape automatically reverses itself and begins playing the other side.

**Dolby Noise Reduction\*:** Invented by a man named Raymond Dolby, this process reduces the hiss heard over music on cassettes. A tape must be recorded with equipment with Dolby Noise Reduction (which can be found on almost all home cassette decks these days) to be effective.

**Hard Heads:** The playback heads on your tape player are often made of materials which are fine for "normal" tape, but are not suitable for playing the new chrome and metal particle tapes. Heads made of "hard" materials, such as sendust alloy or perm-alloy, can play such tapes.

**Locking Fast Forward and Rewind:** When you want to move the tape ahead or replay a section it is very convenient to have locking fast forward and rewind so that you don't have to hold a button down while you drive.

**Tape Equalization (Tape EQ):** Allows you to set the circuitry for the optimum reproduction of the various tape formulations available, including normal, chrome and metal particle.

## 5 LEARN ABOUT THE PRODUCTS

### Know the brands

There are now about forty brands of car stereo available in the United States. They range from cheap to expensive, with poor to excellent quality.

Now, if you'll stop and think about it for a minute, you'll appreciate why we believe our only option is to carry the highest quality brands. Crutchfield has been the car stereo dealer for over 100,000 satisfied customers. Furthermore, we are regarded by virtually every manufacturer, electronics trade and consumer publication, various consumer protection agencies, and countless other retailers as the most respected, innovative car stereo dealer in the nation.

Therefore, we have an enormous obligation to our customers and the industry to maintain our fine reputation. To insure that our Catalog features only quality products available at realistic prices, we formed a Product Selection Committee composed of top management and representatives from the Technical Sales, Installation, Repair, and Customer Services Departments.

One of the most important measures used by this committee is data determined by Crutchfield's unique testing laboratory. It

\* Dolby Noise Reduction is a registered trademark of Dolby Licensing Laboratories



performs a multitude of tests on the large number of consumer electronics which manufacturers constantly submit to us for evaluation. If a product does not meet our high standards for performance and quality control, the committee immediately rejects it.

The result is the product selection you'll find in this Catalog. We carry the finest brands – indeed the finest products within those brands – of the 40 or so available in this country. We stand behind them and our manufacturers stand behind them.

### Read our Catalog

Spread through this Catalog are charts, descriptions of products, and short explanatory articles. We suggest you read through the entire publication before selecting any specific products.

You see, we like to feel that the end product of all our services, including this Catalog is to produce an educated buyer. The reason for this is simple: an educated buyer has the highest probability of being a satisfied customer.

### Understand performance

We'll tell you right off the bat that all the stereos we sell are great performers...otherwise we wouldn't sell them. Obviously, though, you should expect a \$400 stereo to do some things a \$100 one won't.

Understanding performance means understanding specifications, since they are the measures of performance. Many people find understanding specifications too technical and shy away. We've tried to explain what specifications are all about in the simplest possible manner in the chart key on page 7. If you'll take the time to read this short piece you should be able to compare the FM, tape, and power performance of all

the stereos in this Catalog, further insuring that you purchase the unit that's exactly right for you.

### Call our advisors

Don't be afraid to call our Toll-Free sales lines and speak to one of our car stereo experts about the products and your needs. The person you'll reach has been chosen to work for Crutchfield on the basis of two things: first, he's a person who simply likes talking to and helping people, and second, he's a master of car stereo. He knows the subject before we hire him and then we continually provide him with the most thorough training in the industry.

So what you will get will be the best advice possible on what will fit your car, what it will take to install a stereo in it, and what the best products are to fill your needs and budget. What you won't get is a hyped-up salesman or a dry, uninterested price quoter.

## 6 CHOOSE YOUR DEALER

**Make sure he'll serve you before the sale.** A good car stereo dealer should carry a wide range of products so you will be able to select one that's just right for you. His products should be reliable and able to perform in accord with the claims made for them. He should be able to give you accurate advice about what will fit your car and most totally satisfy your needs. He should be able to tell you about what to expect during an installation or he should be able to direct you to a competent installer to do the job for you.

✓ Crutchfield's range of products is second to none. Our careful product testing and selection process means that you not only get a wide choice of great car stereos, but also that the stereos will stand up to use and provide you superior performance.

Our trained technical staff will be able to give you more advice concerning what products will best fit your needs than any other car stereo dealer in the country. They will be able to provide you with complete advice on installation or they can refer you to a Certified Crutchfield Installer in your area.

The Crutchfield Certified Installer\* program is a nationwide network of the best installers in car stereo. We've thoroughly checked them out and are completely confident in recommending them to our customers.

**Make sure he'll serve you during the sale.** A good car stereo dealer will make it easy for you to purchase the perfect stereo for your car and he'll make sure you get the products you want as fast as possible.

✓ Crutchfield backs its product selection by carrying large inventories that mean you will almost never experience a

backorder problem on the product that best suits your needs. We accept Master Card, Visa, and American Express to make telephone ordering easy, and of course, all the advisory and sales calls you make are toll free...we pay the phone bill, not you!

Nobody in mail-order ships products any faster than we do. Most of our orders are sent out via UPS within 24 hours of purchase. UPS shipping means you will receive the products undamaged at your doorstep within days of ordering them. The most astounding thing is that we pay the shipping costs!! Also, for an optional charge, we will ship your order by Federal Express and you will receive it the next day!

### Make sure he'll serve you after the sale.

A good car stereo dealer wants to make certain you're satisfied with your purchase even after he's got your money and you've received the product. You should expect satisfaction guarantees, the continued availability of advice to resolve installation and minor equipment problems, and the ability to get your unit repaired under warranty should it break.

✓ At Crutchfield, your satisfaction is guaranteed for thirty days after you receive your purchase from us: it must fit and you must be satisfied. Otherwise you get your money back or an exchange, at your pleasure.

Our free installation book is included with your purchase to help make stereo and speaker installation a snap. Our trained technicians are available on toll-free lines to back up your installation advice needs and we can forward you to an installation expert in your area if you need one.

Crutchfield is a warranty repair station for many of the manufacturers whose products we carry. If one of these manufacturers' units should break, you can send your purchase back to us and we'll repair it under warranty.

## 7 NOW GO BUY YOUR NEW CAR STEREO

Thanks to the *Crutchfield Catalog* you are rapidly becoming the best informed car stereo shopper possible. After reviewing our product selection, seriously consider buying your new system soon. Read the remainder of this Catalog with care and then give one of Crutchfield's Technical Salesmen a call. He will gladly answer your questions and help you pick the right system for your particular car.

Even though Crutchfield has grown into the largest and most respected car stereo specialist in the nation, we sincerely want your business. Please call us today and let us make your car stereo purchase a thoroughly enjoyable experience.



Even after you receive your stereo we're as close as a toll free call for installation and troubleshooting advice.



# SPECIFICATIONS

## WHERE THEY COME FROM AND WHAT THEY MEAN

**dB (decibel)** – A unit of measure used for describing the relative intensity of sounds or signals. A three decibel increase equals a doubling of power. For instance, if four watts produce a sound level of 90 dB, eight watts would be required to produce a sound level of 93 dB. Sixteen watts would yield 96 dB, and so on.

**dBf (decibelfemtowatt)** – A unit of measure for the signal strength entering a tuner from a standard 75 ohm impedance car antenna.

**Efficiency rating** – Designated as high, medium or low, the efficiency of a speaker is directly related to the sound pressure level (SPL) that can be produced from a reference level signal. For example, one speaker may produce 94 dB SPL from a one watt signal. This would be a "high" efficiency. Another speaker may produce 88 dB at one watt. This speaker would be termed "low" in efficiency.

**FM frequency response** – This refers to the total sound spectrum from low to high frequencies that the tuner is capable of reproducing. Factory radios typically respond from 100 to 10,000 Hz or less. A response of 50 to 12,000 Hz is considered to be full range. Units with the capability of 30 to 15,000 Hz will capture all frequencies that can be legally broadcast.

**Hz (Hertz)** – A term that expresses frequency in cycles per second and is

used in place of this older term (cps).

**Impedance** – Generally, a measure of electrical resistance which is given in ohms. A four ohm speaker has less resistance than an eight ohm speaker and is therefore considered more efficient.

**Monophonic usable sensitivity** – Expressed in dBf (decibelfemtowatt), this is an indication of the weakest signal with which the tuner can produce a listenable sound. An acceptable figure is 20.0 dBf and anything under 15.0 dBf can be considered excellent.

**Monophonic 50 dB quieting sensitivity** – Also expressed in dBf (see above), this is the signal level required to achieve a 50 dB signal to noise ratio. Anything under 25.0 dBf is acceptable by today's standards. Under 20.0 dBf is excellent.

**Power output** – Due to variations in the different manufacturers' specifications, we have chosen to continue testing power output in our own lab facility. Integrated receivers are rated with a 1000 Hz signal input for maximum power in watts at 3.5% THD (Total Harmonic Distortion). Equalizer/boosters are rated with a 100 Hz signal for maximum power output at 1.0% THD. Manufacturer's bandwidth, power output and distortion levels are given for component amplifiers.

**Recommended minimum load** – For an amplifier to operate correctly, it must have a proper "load." The load is provided by the

speakers, which are rated in ohms (see impedance). Depending on how many speakers are used, and the method selected for wiring them into the system, the combined load can vary. Our trained staff will gladly assist you in making the wisest choice for your application.

**Signal to noise ratio** – Expressed in dB (see decibel) this is how much greater your program material is than the residual electrical noise level of the circuitry and/or mechanism. Obviously, the greater this figure, the better.

**Stereo separation** – This refers to the ability of a tuner to take the right channel broadcast material and make it play out of the right speaker and vice-versa for the left channel. Expressed in dB, the figure given is how much greater the signal is from the designated channel than the opposite channel.

**Tape frequency response** – This is the range of the sound spectrum which a unit is capable of reproducing. The figures given by manufacturers are dependent upon the test tape which was used and, in some cases, the actual tape formulation plays a large role.

**THD** – Total Harmonic Distortion represents the percent of distorted content an amplifier is producing at the given power output.

**Wow and flutter** – This is a measure of tape speed variation. Expressed in percent, the lower this figure, the better.

## Using the Installation Guide

On the following page is a chart which uses an alphabetical code to denote the chassis sizes of in-dash stereos. For each car the chart indicates the fit capability of each of the coded chassis sizes, ranging from "fits perfectly" to "will not fit." The chart also includes comments on necessary modifications and the spaces available for speakers in a given car.

Each in-dash stereo Crutchfield sells is accompanied by the code which designates its size. To tell if a given stereo will fit, you first find its code in the appropriate product chart or display. For instance, the Pioneer KP-7500 has a "C" chassis. If you own, say, a 1980 Camaro, the Installation Guide will tell you that a "C" chassis will fit without modification: an easy installation.

Please remember that our Installation Guide is designed to insure a simple, foolproof installation for the inexperienced installer. However, it is still possible to install certain equipment in cars which the charts indicate a "does not fit." In such cases you will find yourself cutting metal and filing plastic. Before buying

equipment that requires such extensive modifications, we recommend that you remove the existing radio and thoroughly familiarize yourself with the extent of the undertaking. For some, getting a particular stereo to fit is worth the effort...for most, it is not.

### INSTALLATION KITS

Don't overlook the kit part of the chart; the kit can make all the difference in the ease and appearance of the installation. Installation kits typically contain faceplates and backup plates customized for particular cars, wiring harnesses where applicable, and installation instructions for the specific car.

If you are placing your order by mail there is some information you should include about your car which will enable us to send you the right kit. Please write on your order form if your car is equipped with the following: a console between the seats, a radio already installed, air conditioner or power windows. If you call in your order, a salesman will request this information if he needs to know it.



# INSTALLATION GUIDE

## RADIO CHASSIS SIZE

M<sub>1</sub> 6 1/2 x 2 x 5 1/2  
 M<sub>2</sub> 7 1/8 x 2 x 4 3/4  
 A 7 1/4 x 2 x 5 1/2  
 B 7 1/4 x 2 x 6  
 C 7 1/4 x 2 x 6 1/2  
 D 7 1/4 x 3 x 6 1/2  
 E 7 1/4 x 3 x 7

## RADIO FIT CODES

P = Fits perfectly  
 F = Fits with  
 some modification  
 X = Does not fit

## KIT CODES

A Essential  
 B Essential without existing radio  
 C Timesaving  
 D Essential — Underdash shroud used  
 for in-dash unit  
☐ Kit prices may vary — Call

## PLEASE NOTE

**Rear Panel** usually refers to area in station wagons or hatchbacks  
**Rear Deck** refers to sedans  
 Due to space limitations on chart, some kits listed are not available for older model automobiles. Call for information.

Model and Bodystyle	Year	M <sub>1</sub>	M <sub>2</sub>	A	B	C	D	E	Dual Dash	Front Door	Front Kick Panel	Rear Deck	Rear Pillar Post	Rear Side Panel	Rear Door	Kit Code	Price — see Note	Comments
<b>ALFA ROMEO</b>																		
Spider, Sprint, Alfetta		P	P	F	F	X	X	X		5 1/4 <sup>1</sup>	4,5 1/4 <sup>2</sup>	5 1/4		5 1/4, 6x9		—		<sup>1</sup> depth 2 1/8 or less, <sup>2</sup> varies
<b>AMC</b>																		
Concord, Spirit, Eagle	78-82	F	F	P	P	X	X	X		5 1/4 <sup>1</sup>	5 1/4 <sup>1</sup>	6x9		5 1/4		C	\$10	<sup>1</sup> some metal cutting
Jeep CJ5, CJ7	78-82	P	P	F	X	X	X	X								C	\$10	surface mount speakers
CJ10	76-82	P	P	P	P	X	X	X		5 1/4						C	\$10	
Cherokee, Wagoneer	72-82	P	P	P	P	X	X	X		5 1/4				5 1/4		C	\$10	
<b>AUDI</b>																		
100 LS	71-77	P	P	P	P	P	X	X		4,5 1/4 <sup>1</sup>						—		<sup>1</sup> slim line speakers
4000	79-82	P	P	P	X	X	X	X	3 1/2		4	5 1/4 <sup>1</sup>				—		<sup>1</sup> depth 2 1/8 or less
5000	78-82	P	P	P	P	X	X	X	3 1/2		4	4				C	\$10	
Fox with console	73-79	P	P	P	P	P	X	X		5 1/4 <sup>1</sup>		4				C	\$10	<sup>1</sup> some metal cutting
Fox w/out console	73-79	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	X	X		5 1/4 <sup>2</sup>		4				—		<sup>1</sup> fact. console <sup>2</sup> metal cutting
<b>BMW</b>																		
320i w/out air	80-81	F	F	P	X	X	X	X			4x6	4,5 1/4 <sup>1</sup>				—		<sup>1</sup> metal cutting
320i w/out air	75-79	F	F	P	P	P	P	X			4x6	4,5 1/4 <sup>1</sup>				B	★	<sup>1</sup> metal cutting
320i w/ air	75-79	P	P	P	P	X	X	X			4x6	4,5 1/4 <sup>1</sup>				—		<sup>1</sup> metal cutting
530i, 528	75-82	F	F	P	X	X	X	X		4	4	4,5 1/4 <sup>1</sup>				—		<sup>1</sup> metal cutting
633 w/ air	77-81	F	F	P	X	X	X	X								—		surface mount speakers
733	79-81	F	F	P	X	X	X	X			4					—		<sup>1</sup> surface mount speakers
<b>BUICK</b>																		
Century	80-81	F	F	P	P	P	P	P	3 1/2	4		4x10				B	\$10	
Century	82	F	F	P	P	P	X	X	4x6			4x10				A	\$15	
Century, Regal	73-79	F	F	P	P	P	P	P	3 1/2	4		6x9				—		
LeSabre	78-82	F	F	P	P	P	P	P	4x6	4		6x9				C	\$10	
Regal	78-82	F	F	P	P	P	P	P	3 1/2			4x10				B	\$10	
Riviera	77-78	F	F	P	P	P	P	P	3 1/2			6x9				—		
Riviera	79-82	F	F	P	P	P	P	P	3 1/2			4x10				—		
Skylark	75-77	F	F	P	P	P	P	P		4		6x9				C	\$10	
Skylark	78-79	F	F	F	P	P	P	P		4	4	4x10		5 1/4		—		
Skylark	80-82	F	F	F	P <sup>1</sup>	P <sup>1</sup>	X	X	4x6	4,5 1/4 <sup>2</sup>		4x10				D	\$15	<sup>1</sup> underdash kit <sup>2</sup> slim line
<b>CADILLAC</b>																		
Fleetwood, De Ville	77-82	F	F	P	P	P	P	P	3 1/2			6x9				—		
Seville	76-79	F	F	P	P	P	P	P	3 1/2			4x10				—		
Seville	80-82	F	F	P	P	P	P	P	3 1/2			6x9				—		
Cimmaron	81-82	F	F	P	P	P	X	X	3 1/2	5 1/4		6x9				A	\$15	
El Dorado	76-78	F	F	P	P	P	P	P	3 1/2			6x9				—		
El Dorado	79-82	F	F	P	P	P	P	P	3 1/2			4x10				—		
<b>CAPRI</b>																		
Capri w/o air	73-76	P	P	F	F	F	X	X		4 <sup>1</sup> , 5 1/4 <sup>1</sup>		5 1/4		5 1/4		—		<sup>1</sup> slim line
Capri w/ air	73-76	P	P	F	X	X	X	X		4 <sup>1</sup> , 5 1/4 <sup>1</sup>		5 1/4		5 1/4		—		<sup>1</sup> slim line
Capri	78-82	F	F	P	P	P	X	X		4		5 1/4, 6x9 <sup>1</sup>		5 1/4, 6x9		—		<sup>1</sup> metal cutting
<b>CHEVROLET</b>																		
Cavalier	82	F	F	P	P	P	X	X	3 1/2	4,5 1/4		6x9				A	\$15	
Camaro	70-81	F	F	P	P	P	P	P		4 <sup>1</sup>		6x9				C	\$10	<sup>1</sup> cut metal
Camaro	82	F	F	P	P	P	X	X	4x6				6x9 <sup>1</sup>			A	\$15	<sup>1</sup> kit req. w/o factory speakers
Chevelle, Laguna	73-77	F	F	P	P	P	P	P		4,5 1/4		6x9				C	\$10	
Chevelle, Malibu	78-82	F	F	P	P	P	P	P	3 1/2	4		6x9				B	\$15	
Chevette	76-82	P	P	F	F	F <sup>1</sup>	X	X		4			4			C	\$10	<sup>1</sup> except 80-82
Citation	80-82	F	F	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	X	X	3 1/2	5 1/4				4x10		D	\$10	<sup>1</sup> underdash kit
Celebrity	82	F	F	F	F	F	X	X	3 1/2	4		6x9				A	\$15	
Impala, Caprice	72-77	F	F	P	P	P	P	P	3 1/2	4		6x9				B	\$15	



Model and Bodystyle	Year	M <sub>1</sub>	M <sub>2</sub>	A	B	C	D	E	Dual Dash	Front Door	Front Kick Panel	Rear Deck	Rear Pillar Post	Rear Side Panel	Rear Door	Kit Code	Price — see note	Comments
Impala, Caprice	80-82	F	F	P	P	P	P	P	4x6	4		6x9				B	\$15	
Nova	76-80	F	F	P	P	P	P	P		5 1/4		6x9				—		
Corvette	73-77	X	X	F <sup>1</sup>	F <sup>1</sup>	F <sup>1</sup>	X	X	4x6		4					—		<sup>1</sup> filling required
Corvette	78-82	X	X	P	P	P	X	X	4x6		4	6x9 <sup>1</sup>				—		<sup>1</sup> some modification req.
Vega, Monza	73-77	F	F	P	P	P	P	P		4		4x10		5 1/4		—		
Monza	78-80	F	F	P	P	P	P	P		4		4x10	5 1/4			—		
El Camino, Sprint	70-77	F	F	P	P	P	P	P		5 1/4						—		
El Camino, Sprint	78-82	F	F	P	P	P	P	P	3 1/2	4						B	\$15	
Luv Truck	73-82	F	F	F	F	X	X	X		5 1/4 <sup>1</sup>						—		<sup>1</sup> slim line
Pickup, Blazer, Suburban	73-79	F	F	P	P	P	P	P		4 <sup>1</sup> , 5 1/4 <sup>1</sup> , 6x9 <sup>1</sup>	4 <sup>1</sup>			4, 5 1/4, 6x9	5 1/4 <sup>1</sup>	—		<sup>1</sup> metal cutting
Pickup, Blazer, Suburban	80-82	F	F	P	P	P	P	P	3 1/2	4 <sup>1</sup> , 5 1/4 <sup>1</sup> , 6x9 <sup>1</sup>	4 <sup>1</sup>			4, 5 1/4, 6x9	5 1/4 <sup>1</sup>	B	\$10	<sup>1</sup> metal cutting
S10	82	F	F	P	P	X	X	X	4x6	4			4x10			A		
Vans	67-79	F	F	P	P	P	P	P		4 <sup>1</sup> , 5 1/4 <sup>1</sup> , 6x9 <sup>1</sup>					4 <sup>1</sup> , 5 1/4 <sup>1</sup> , 6x9 <sup>1</sup>	—		<sup>1</sup> metal cutting
Vans	80-82	F	F	P	P	P	P	P	4x6	4 <sup>1</sup> , 5 1/4 <sup>1</sup> , 6x9 <sup>1</sup>					4 <sup>1</sup> , 5 1/4 <sup>1</sup> , 6x9 <sup>1</sup>	—		<sup>1</sup> metal cutting
<b>CHRYSLER</b>																		
Cordoba	75-82	F	F	P	P	P	P	P	3 1/2 <sup>1</sup>	4		6x9				A	\$10	<sup>1</sup> fact. location
Gran Fury, LeBaron	78-82	F	F	P	P	P	P	P	3 1/2 <sup>1</sup>	4		6x9				A	\$10	<sup>1</sup> fact. location
Imperial	81-82	F	F	P	P	P	P	P	3 1/2	4		6x9				A	\$10	
Newport	75-81	F	F	P	P	P	P	P	3 1/2	4		6x9				A	\$10	
New Yorker	77-82	X	X	P	P	P	P	P	3 1/2	4		6x9				A	\$10	
<b>DATSUN</b>																		
F10	76-78	P	P	F	F	X	X	X		4				5 1/4 <sup>1</sup>		C	\$10	<sup>1</sup> slim line
200SX	77-79	F	F	X	X	X	X	X		5 1/4 <sup>1</sup>	4	5 1/4		4		C	\$10	<sup>1</sup> depth less than 2 1/2"
200SX	80-82	F	F	F	F	F	X	X		6		6, 5 1/4		6, 5 1/4 <sup>1</sup>		A	\$10	<sup>1</sup> hatchback, kit req.
B210	76-78	F	F	F	F	X	X	X		4, 5 1/4 <sup>1</sup>		5 1/4		5 1/4		—		<sup>1</sup> depth less than 2 1/2"
210	79-82	F	F	F	X	X	X	X		4		4		5 1/4		C	\$10	
240Z	71-73	F	F	P	P	P	X	X		4				5 1/4		A	\$10	
260Z, 280Z	74-78	F <sup>1</sup>	F <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>		4				4		A	\$10	<sup>1</sup> relocate antenna switch
280ZX	79-82	F	F	P	P	P	X	X			4			5 1/4, 6x9 <sup>1</sup>		A	\$10	<sup>1</sup> metal cutting
310	79-82	F	F	F	F	F	X	X		4	4	5 1/4, 6		5 1/4, 6		C	\$10	
510	79-81	F	F	F	F	F	X	X		4				5 1/4		C	\$10	
610/710	73-77	F	F	F	F	X	X	X		4		5 1/4 <sup>1</sup>				C	\$10	<sup>1</sup> metal cutting
620 pickup	72-79	F	F	F	F	F	X	X		5 1/4 <sup>1</sup>						C	\$10	<sup>1</sup> slim line
720 pickup in-dash	80-82	F	X	P	X	X	X	X		5 1/4 <sup>1</sup>	4					C	\$10	<sup>1</sup> slim line
720 pickup console	80-82	F	F	P	P	P	P	X		5 1/4 <sup>1</sup>	4					C	\$10	<sup>1</sup> slim line
810, Maxima	81-82	F	F	F	F	X	X	X		4		5 1/4 <sup>1</sup>				C	\$10	<sup>1</sup> slim line
Stanza	82	F	F	F	F	X	X	X		5 1/4		5 1/4, 4x10 <sup>1</sup>		6x9 <sup>2</sup>		A	\$10	<sup>1</sup> metal cutting <sup>2</sup> kit req.
<b>DODGE</b>																		
Aries	81-82	F	F	P	P	P	X	X	3 1/2 <sup>1</sup>	5 1/4, 6		5x7, 5 1/4 <sup>2</sup>				A	\$10	<sup>1</sup> fact. location <sup>2</sup> metal cutting
Aspen	76-80	F	F	P	P	P	P	X	3 1/2 <sup>1</sup>	5 1/4 <sup>2</sup>		6x9				A	\$10	<sup>1</sup> fact. location <sup>2</sup> slim line
Challenger	78-82	F	F	F	F	F	X	X		4		5 1/4				—		
Omni	78-82	F	F	F	X	X	X	X		5 1/4				5 1/4		A	\$10	
400	82	F	F	F	X	X	X	X		5 1/4				5 1/4		A	\$10	
Charger, Magnum	75-80	F	F	F	P	P	X	X	3 1/2	5 1/4		6x9				A	\$10	
Charger, 024	82	F	F	F	F	X	X	X		5 1/4				4 <sup>1</sup>		A	\$10	<sup>1</sup> except Charger
Colt	78-79	F	F	X	X	X	X	X		5 1/4 <sup>1</sup>	4			5 1/4		B	\$10	<sup>1</sup> slim line
Colt	80-82	F	F	F	F	X	X	X		4				5 1/4		—		
Mirada, St. Regis	80-82	F	F	P	P	P	P	P	3 1/2	4	4	6x9				B	\$10	
Diplomat	80-82	F	F	P	P	P	P	P	3 1/2	4	4	6x9				B	\$10	
Pickup, Ram Charger	75-82	F	F	F	F	P	P	P		5 1/4, 6x9 <sup>1</sup>	4					B	\$10	<sup>1</sup> metal cutting
D50 pickup	79-82	F	F	F	X	X	X	X		4						—		
Van	75-82	F	F	P	P	P	P	X		5 1/4, 6x9					6x9, 5 1/4	A	\$10	
<b>FIAT</b>																		
131, Brava	75-80	F	F	P	P	P	X	X		5 1/4		5 1/4 <sup>1</sup>				B	\$10	<sup>1</sup> metal cutting
X19	74-79	P	P	P	P	F	X	X		4						A	★	
X19	80-82	P	P	P	P	X	X	X		4						B	\$10	
124 Spyder, 2000	74-80	P	P	P	P	P	X	X		5 1/4 <sup>1</sup>	5 1/4 <sup>2</sup>					B	\$10	<sup>1</sup> slim line <sup>2</sup> metal cutting
Lancia	75-78	P	P	P	P	P	X	X		5 1/4		5 1/4				—		
Lancia	79-82	P	P	P	P	P	X	X		5 1/4						—		
Strada	79-81	P	P	P	P	P	X	X		5 1/4 <sup>1</sup>						B	\$10	<sup>1</sup> depth 2 1/8" or less
<b>FORD</b>																		
Mustang	78-82	F	F	P	P	P	P	P	3 1/2	5 1/4 <sup>1</sup>	4	6x9 <sup>2</sup>				B	\$10	<sup>1</sup> depth 2 1/8" <sup>2</sup> redrill holes
Fairmont, Futura	78-82	F	F	P	P	P	P	P	3 1/2	5 1/4 <sup>1</sup>	4	6x9 <sup>2</sup>				B	\$10	<sup>1</sup> depth 2 1/8" <sup>2</sup> redrill holes
Granada	75-80	F	F	P	P	P	P	P	3 1/2	5 1/4		6x9				B	\$10	
Granada	81-82	F	F	P	P	P	P	P	3 1/2	4		6x9 <sup>1</sup>				B	\$10	<sup>1</sup> drill for screws
Fiesta	78-80	F	F	P	P	P	P	P		4		6x9		4		D	\$15	

P = Fits perfectly    F = Fits with some modification    X = Does not fit



		RADIO CHASSIS SIZE							SPEAKERS							KITS		Comments
Model and Bodystyle	Year	M <sub>1</sub>	M <sub>2</sub>	A	B	C	D	E	Dual Dash	Front Door	Front Kick Panel	Rear Deck	Rear Pillar Post	Rear Side Panel	Rear Door	Kit Code	Price—see Note	
LTDII, Thunderbird	76-79	F	F	P	P	P	P	P		5 1/4		6x9 <sup>1</sup>				B	\$10	<sup>1</sup> drill for screws
LTD, Galaxie, Custom 500	73-78	F	F	P	P	P	P	P		5 1/4		6x9				B	\$10	
LTD, Thunderbird	79-82	F	F	P	P	P	P	P	4	5 1/4		6x9 <sup>1</sup>				B	\$10	<sup>1</sup> drill for screws
Mustang II	74-77	F	F	P	P	P	P	P		5 1/4						B	\$10	
Pinto	71-80	F	F	P	P	P	P	X		5 1/4 <sup>1</sup>		6x9		5 1/4		C	\$10	<sup>1</sup> depth 2 1/4" or less
Escort, EXP	81-82	F	F	P	P	P	F	X	3 1/2	5 1/4		5 1/4		5 1/4		B	★	
Maverick	69-77	F	F	P	P	P	P	P		5 1/4	4	6x9				B	\$10	
Bronco	73-82	F	F	P	P	P	P	X		5 1/4				5 1/4		C	\$10	
Courier pickup	78-82	F	F	F	F	X	X	X		4						—		
F-100, F-350 pickup	73-82	F	F	P	P	P	P	X		5 1/4						C	\$10	
Vans	75-82	F	F	P	P	P	P	P		5 1/4					6x9	B	\$15	
<b>HONDA</b>																		
Civic, Prelude	80-82	F	F	P	F	F	X	X	4			4,4x6		6x9 <sup>1</sup> , 5 1/4 <sup>1</sup>		A	\$10	<sup>1</sup> speaker kit req.
Accord	77-82	F	F	P	F	F	X	X		4, 5 1/4 <sup>1</sup>		all		5 1/4 <sup>2</sup> , 6x9 <sup>2</sup>		A	★	<sup>1</sup> flat grills <sup>2</sup> spkr kit req.
Civic CVCC	73-79	P	P	F	F <sup>1</sup>	F <sup>1</sup>	X	X		4 <sup>2</sup>				5 1/4 <sup>1</sup> , 6x9 <sup>1</sup>		A <sup>1</sup>	★	<sup>1</sup> kits required <sup>2</sup> slim line
<b>LINCOLN MERCURY</b>																		
Capri, Zephyr	78-82	F	F	P	P	P	P	P	3 1/2	5 1/4 <sup>1</sup>	4	6x9 <sup>2</sup>				B	\$10	<sup>1</sup> depth 2 1/4" <sup>2</sup> metal cutting
Cougar, Montego	72-79	F	F	P	P	P	P	P		5 1/4		6x9 <sup>1</sup>				B	\$10	<sup>1</sup> metal cutting
Comet	69-77	F	F	P	P	P	P	P		5 1/4	4	6x9				B	\$10	
Lynx	81-82	F	F	P	P	P	F	X	3 1/2	5 1/4		5 1/4		5 1/4		B	★	
Marquis	73-78	F	F	P	P	P	P	P		5 1/4		6x9				B	\$10	
Marquis	79-82	F	F	P	P	P	P	P	4	5 1/4		6x9 <sup>1</sup>				B	\$10	<sup>1</sup> drill for screws
Bobcat	75-80	F	F	P	P	P	P	X		5 1/4 <sup>1</sup>		6x9		5 1/4		C	\$10	<sup>1</sup> depth 2 1/4" or less
Mark V, Mark VI	77-82	F	F	P	P	P	P	P		5 1/4		6x9				—		
Monarch, Versailles	78-80	F	F	P	P	P	P	P		5 1/4		6x9				B	\$10	
LN7	81-82	F	F	P	P	P	F	X	3 1/2	5 1/4 <sup>1</sup>		5 1/4		5 1/4		B	★	<sup>1</sup> depth 2 1/4" or less
<b>MAZDA</b>																		
626	79-82	F	F	F	F	F	X	X		4 <sup>1</sup>	4	5 1/4, 6x9 <sup>2</sup>				—		<sup>1</sup> flat grills <sup>2</sup> metal cutting
RX4	74-78	F	F	X	X	X	X	X		5 1/4 <sup>1</sup>				5 1/4		—		<sup>1</sup> depth 2 1/4" or less
RX7	78-82	F	F	F	F	F	X	X		4 <sup>1</sup>	4	5 1/4, 6x9 <sup>2</sup>				—		<sup>1</sup> flat grills <sup>2</sup> metal cutting
Cosmo	76-78	F	F	F	F	F	X	X		5 1/4 <sup>1</sup>		5 1/4				—		<sup>1</sup> depth 2 1/4" or less
GLC	78-82	F	F	X	X	X	X	X		5 1/4 <sup>1</sup>	4			5 1/4		C	\$10	<sup>1</sup> depth 2 1/4" or less
B2000	79-82	F	F	F	F	X	X	X		5 1/4						B	\$10	
<b>MERCEDES BENZ</b>																		
220/240/250/280	70-82	P	P	P	P	X	X	X		4		5 1/4 <sup>1</sup>				C	★	<sup>1</sup> use spacer ring
300/350/450	70-79	P	P	P	P	X	X	X		4		5 1/4 <sup>1</sup>				C	★	<sup>1</sup> use spacer ring
300TD	79-82	F	F	P	F	X	X	X	4	4		4				—		
450SL	76-82	F	F	F	F	X	X	X	4			all				—		
<b>MG</b>																		
MG/MGB/MGBGT	63-81	P	P	P	P	F	X	X		4				5 1/4		C	\$10	
Midget	71-80	P	P	P	X	X	X	X				4, 5 1/4				—		
<b>OLDSMOBILE</b>																		
Cutlass	73-77	F	F	P	P	P	P	P	3 1/2	5 1/4		6x9				—		
Cutlass	78-81	F	F	P	P	P	P	P	3 1/2			4x10				B	\$15	
Cutlass	82	F	F	P	P	P	X	X	4x6			4x10				A	\$15	
Omega	73-79	F	F	P	P	P	P	P		5 1/4		6x9				—		
Omega	80-82	P	P	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	X	X	4x6	5 1/4		4x10				D	\$15	<sup>1</sup> under dash kit
88, 98	72-82	F	F	P	P	P	P	P	3 1/2	4		6x9				B <sup>1</sup>	\$10	<sup>1</sup> 77-82
Toronado	77-81	F	F	P	P	P	P	P	3 1/2			6x9				—		
Toronado	82	F	F	P	P	P	P	P	4x6			6x9				—		
Starfire	75-80	F	F	P	P	P	P	P		5 1/4				5 1/4		—		
Firenza	82	F	F	P	P	P	X	X	3 1/2	4, 5 1/4		6x9				A	\$15	
Cierra	82	F	F	P	P	P	X	X	3 1/2	4				6 <sup>1</sup>		A	\$15	<sup>1</sup> slim line
<b>OPEL</b>																		
Isuzu	77-79	P	P	X	X	X	X	X		4		5 1/4 <sup>1</sup>				C	\$10	<sup>1</sup> depth 2 1/4" or less
1900, Manta	all	P	P	P	F	F	F	X		4		4				—		
Isuzu pickup	82	F	F	F	F	X	X	X		4	4					—		
<b>PEUGEOT</b>																		
504		P	P	P	P	P	X	X			5 1/4 <sup>1</sup>	5 1/4 <sup>1</sup>				C	\$10	<sup>1</sup> depth 2 1/4" or less
604		P	P	F	F	F	X	X			5 1/4 <sup>1</sup>	5 1/4 <sup>1</sup>				B	\$15	<sup>1</sup> depth 2 1/4" or less
<b>PLYMOUTH</b>																		
Arrow	76-81	P	P	F	F	F	X	X		4	4	5 1/4		5 1/4		A	\$10	
Champ	79-81	P	P	F	F	X	X	X	3 1/2	4				5 1/4		—		
Horizon	78-82	P	P	F	F	X	X	X		5 1/4 <sup>1</sup>						A	\$10	<sup>1</sup> depth 2 1/4" or less
Fury	74-78	F	F	P	P	P	P	X		4		6x9				A	\$10	
Valiant, Duster	72-77	F	F	F	F	F	X	X		5 1/4		6x9				—		

NOTE: Double kit prices if you are not buying a stereo



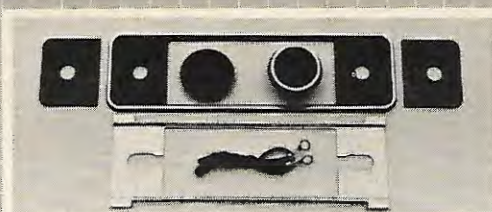
		RADIO CHASSIS SIZE							SPEAKERS							KITS		
Model and Bodystyle	Year	M <sub>1</sub>	M <sub>2</sub>	A	B	C	D	E	Dual Dash	Front Door	Front Kick Panel	Rear Deck	Rear Pillar Post	Rear Side Panel	Rear Door	Kit Code	Price — see Note	Comments
Reliant	81-82	F	F	P	P	P	X	X	3½	5¼		5x7,4x10 <sup>1</sup>		4		A	\$10	<sup>1</sup> metal cutting
Turismo, TC3	81-82	F	F	P	X	X	X	X		5¼				5¼		A	\$10	
Sapporo	78-82	F	F	F	F	F	X	X		4		5¼				—		
Volare	76-80	F	F	P	P	P	X	X	3½	5¼ <sup>1</sup>		6x9				A	\$10	<sup>1</sup> depth 2½" or less
Pickup	80-82	F	F	P	P	P	X	X		5¼ <sup>1</sup> ,6x9 <sup>1</sup>						A	\$10	<sup>1</sup> metal cutting
Vans	73-82	F	F	P	P	P	P	X		5¼ <sup>1</sup> ,6x9 <sup>1</sup>						A	\$10	<sup>1</sup> metal cutting
Arrow Pickup	79-82	F	F	F	X	X	X	X		4						—		
PONTIAC																		
J2000	82	F	F	P	P	P	X	X	3½	4,5¼ <sup>1</sup>		6x9				A	\$15	<sup>1</sup> slim line
T1000	81-82	P	P	F	F	X	X	X		4				4		—		
Grand Prix, Le Mans	73-77	F	F	P	P	P	P	P	3½	4		6x9				B	\$10	
Grand Prix, Le Mans	78-82	F	F	P	P	P	P	P	3½	4		4x10				B	\$10	
Bonneville, Catalina	80-82	F	F	P	P	P	P	P	3½			4x10				B	\$10	
Bonneville, Catalina	77-79	F	F	P	P	P	P	P	3½			6x9				B	\$10	
Granville	77-79	F	F	P	P	P	P	P				6x9				B	\$10	
Firebird, Trans Am	75-81	F	F	P	P	P	P	P	3½ <sup>1</sup>	5¼ <sup>1</sup>	4					C	\$10	<sup>1</sup> 80-81 fact. installed
Firebird, Trans Am	82	F	F	P	P	P	P	P	4x6				6x9 <sup>1</sup>			A		<sup>1</sup> spkr kit req if not fact. inst.
Sunbird	75-80	F	F	P	P	P	P	P			4 <sup>1</sup> ,5¼ <sup>2</sup>	4x10				—		<sup>1</sup> upper <sup>2</sup> lower
Phoenix, Ventura	73-79	F	F	P	P	P	P	P				6x9		5¼		—		
Phoenix	80-82	P	P	F	P <sup>1</sup>	P <sup>1</sup>	X	X	4x6	4,5¼		4x10				D	\$15	<sup>1</sup> under dash
A6000, LE	82	F	F	P	P	P	P	X	3½			6x9				A		
PORSCHE																		
911, 912, 914	73-82	F	F	P	P	P	P	X		5¼						C	\$10	
914	73-76	F	F	F	F	F	X	X		5¼	5x7					—		
924, 928	77-82	P	P	P	P	X	X	X								C	★	surface mount speakers
SAAB																		
99	74-77	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	X	X		4		5¼ <sup>2</sup>				—		<sup>1</sup> fact. housing <sup>2</sup> metal cutting
EMS 99, Turbo	78-82	F	F	P	P	X	X	X		5¼ <sup>1</sup>		5¼				—		<sup>1</sup> slim line
900	79-81	P	P	P	P	P	X	X		4		6x9 <sup>1</sup>		4		C	\$10	<sup>1</sup> wood cutting
SUBARU																		
DL/GL	75-82	P	F	F	X	X	X	X		4		5¼				C	★	
GF	79-82	P	F	F	X	X	X	X		4				5¼		C	★	
Brat	77-82	P	P	P	P	P	X	X		5¼ <sup>1</sup>						—		<sup>1</sup> metal cutting
TOYOTA																		
Celica	74-77	P	P	P	P	P	X	X		5¼		5¼				A	\$10	
Celica	78-81	P	P	P	P	P	X	X		4		6x9 <sup>1</sup>				C	\$10	<sup>1</sup> metal cutting
Corolla, SR-5	74-79	P	P	F	F	F	X	X		4		5¼,6x9 <sup>1</sup>				C	\$10	<sup>1</sup> metal cutting
Corolla	80-82	P	P	F	F	X	X	X		5¼ <sup>1</sup>	4			6 <sup>2</sup>		C	\$10	<sup>1</sup> metal cutting <sup>2</sup> some models
Corona, Mark II	74-82	P	P	F	F	F	X	X		5¼ <sup>1</sup>		5¼ <sup>1</sup>				B	\$10	<sup>1</sup> metal cutting
Cressida	78-82	P	P	F	F	F	X	X		5¼ <sup>1</sup>		5¼,5x7				—		<sup>1</sup> depth 2½" or less
Starlet	81-82	P	P	F	F	F	X	X		4	4	5¼				C	\$10	
Tercel	80-82	P	P	F	F	F	X	X		4	4	5¼				C	\$10	
Land Cruiser	70-80	F	F	F	X	X	X	X								—		surface mount speakers
Pickup	70-79	P	P	F	F	F	X	X		5¼ <sup>1</sup>						B	\$10	<sup>1</sup> slim line
Pickup	80-82	F	F	F	X	X	X	X		5¼ <sup>1</sup>						C	\$10	<sup>1</sup> slim line if not SR5
TRIUMPH																		
TR-6	67-75	P	P	P	P	P	X	X		4						—		
TR-7, TR-8	75-81	P	P	P	P	X	X	X		4,5¼						C	\$10	
VOLKSWAGEN																		
Beetle	67-73	P	P	P	P	P	X	X		4						—		
Super Beetle	74-79	P	P	P	P	X	X	X		5¼ <sup>1</sup>						A	★	<sup>1</sup> slim line
Fastback, Squareback	67-73	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	X			5¼						—		<sup>1</sup> underdash housing
Karmann Ghia	67-76	P	P	P	P	P	X	X		5¼ <sup>1</sup>				5¼		—		<sup>1</sup> depth 2½" or less
The Thing	73-76	P	P	P	P	P	P	X								—		surface mount speakers
Bus Transporter	67-79	P	P	P	P	P	P	X		5¼						C	\$10	
Vanagon	80-82	P	P	P	P	P	X	X		5¼				6x9 <sup>1</sup>		C	\$10	<sup>1</sup> or surface mounts
Jetta	80-82	F	F	P	P	X	X	X		4		5¼				—		
Dasher	75-79	P	P	P	P	P	P	X		5¼ <sup>1</sup>						A	★	<sup>1</sup> depth 2½" or less
Dasher	80-81	P	P	P	P	X	X	X		4				4x6		C	\$10	
Scirocco, Rabbit	75-80	P	P	P	P	F	X	X		5¼ <sup>1</sup>				4x10		A	\$10	<sup>1</sup> metal cutting
Rabbit	81-82	P	P	P	P	F	X	X	3½	5¼ <sup>1</sup>				4x6		A	\$10	<sup>1</sup> metal cutting
Quantum	82	P	P	P	P	F	X	X		4				4		—		
VOLVO																		
GLT	82	F	F	P	P	P	P	X		4				5¼		B	\$10	
140 and 160 series	69-74	F	F	F	F	F	F	F		5¼ <sup>1</sup>		5¼ <sup>2</sup> ,6x9 <sup>2</sup>				B	\$10	<sup>1</sup> slim line <sup>2</sup> metal cutting
240 and 260 series	75-82	F	F	P	P	P	P	X				6x9 <sup>1</sup>				B	★	<sup>1</sup> metal cutting

P = Fits perfectly    F = Fits with some modification    X = Does not fit

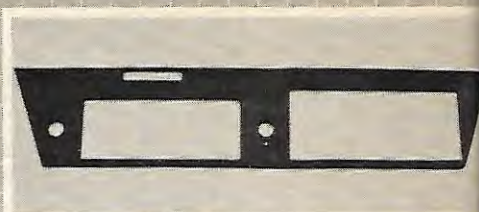


## KITS

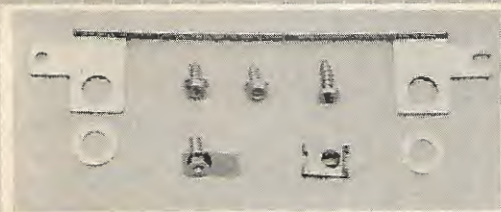
One question we are asked quite often over our toll free lines is "What does my installation kit consist of?" Below you will find photographs of 14 of our most popular installation kits that range from a simple custom faceplate to an intricate combination of screws and brackets. As you can see, some kits contain knobs and wiring harnesses while others do not. Notice that if you purchase your in-dash receiver from Crutchfield you get the kit at half price.



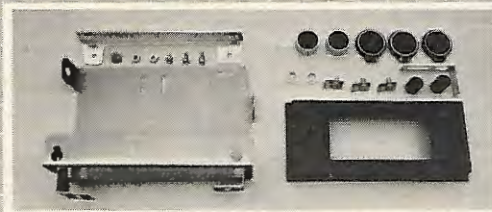
#12010-911 75-80 Rabbit, 76-81 Dasher, 68-82 VW Bus, 80-82 Jetta. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



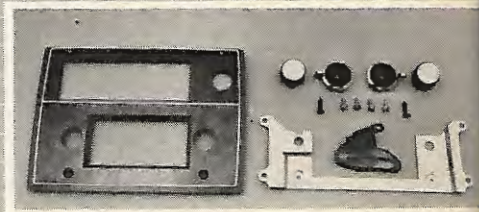
#004ITD-281 79-82 280ZX. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



#12015-7900 81-82 Mazda GLC. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



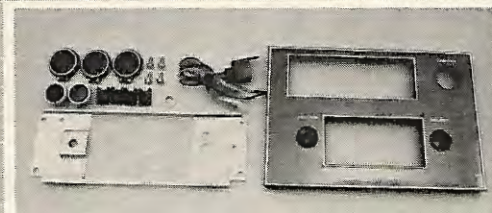
#12051-3007 Cimarron, Cavalier, J2000. Our price: \$30. Our price with the purchase of an in-dash receiver: \$15



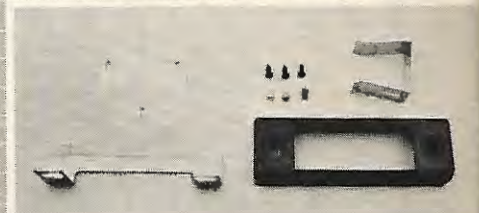
#12010-326 80-82 Monte Carlo, El Camino, Chevelle. Our price: \$30. Our price with the purchase of an in-dash receiver: \$15



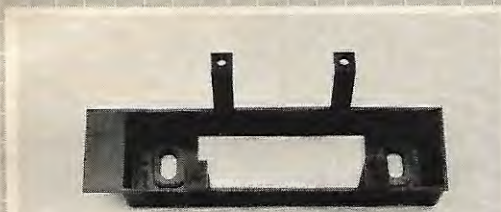
#003RH800 79-81 Honda Accord. Our price: \$32. Our price with the purchase of an in-dash receiver: \$16



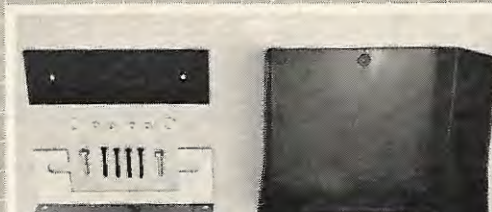
#12010-274 79-82 Oldsmobile Cutlass. Our price: \$30. Our price with the purchase of an in-dash receiver: \$15



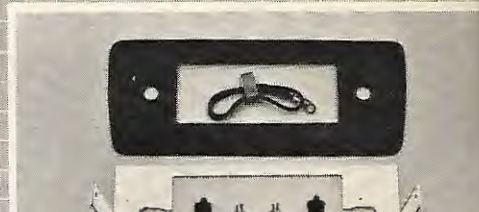
#004HC801L 80-81 Honda Civic, 80 Prelude. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



#00440-147 80-82 200 SX. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



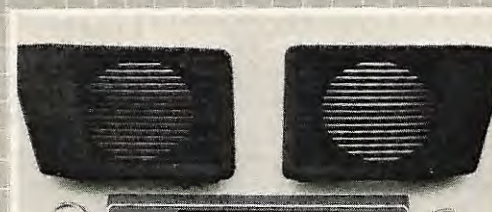
#12018-550 under-dash housing for 80-82 Citation. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



#12010-923 75-82 240-260 series Volvo. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



#00381-HP1 81-82 Honda Prelude. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



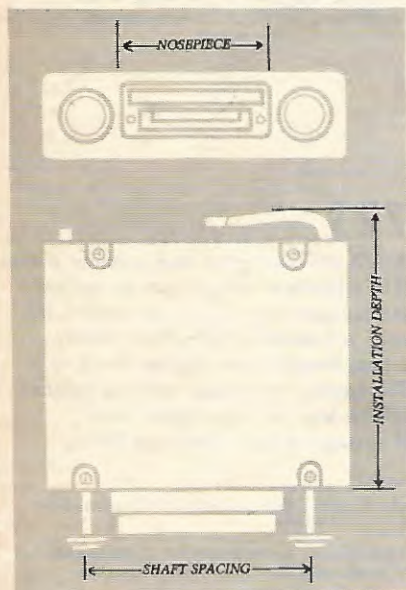
#12010-5001 81-82 Escort, EXP, Lynx, LN7. Our price: \$30. Our price with the purchase of an in-dash receiver: \$15



#12015-9001 81-82 Rabbit. Our price: \$20. Our price with the purchase of an in-dash receiver: \$10



# Mini In-Dash Cassettes



	FEATURES																						
	Chassis Size	Page	Separate Bass and Treble	Loudness Switch	Fader	Preamp Output	Mono/Stereo Switch	Local/Distance Switch	FM Mute Switch	Auto High Blend	Digital Display	Clock	Scanning Tuner	Preset Station Freq.	Power Antenna Lead	Dolby Noise Reduction	Selectable Tape Equalization	Hard Tape Head	Auto Cue/Review	Auto Reverse	Auto Eject	Power Off Eject	
Clarion 3150R	M <sub>1</sub>	15					x																
Clarion 5150R	M <sub>1</sub>	15		x	x					x					x		x			x			
Clarion 5550R	M <sub>1</sub>	16		x	x					x				5	x		x		x	x			
Craig T560	M <sub>1</sub>	18	x	x	x	x	x	x	x						x	x	x	x	x	x		x	
Jensen R210	M <sub>1</sub>	16			x		x							5									
Jensen RE512	M <sub>1</sub>	18	x		x		x	x	x		x	x	x	10						x			
Mitsubishi RX-723	M <sub>1</sub>	15		x	x		x	x							x								
Mitsubishi CZ-725/CV-22	M <sub>1</sub>	18	x	x		x		x		x					x	x	x	x		x			
Mitsubishi CZ-725/CV-25	M <sub>1</sub>	18	x	x	x	x		x		x					x	x	x	x		x			
Mitsubishi RX726	M <sub>1</sub>	15		x	x			x							x		x			x			
Pioneer UKP-5200	M <sub>2</sub>	17		x			x							5	x			x	x		x		
Pioneer UKP-5600	M <sub>2</sub>	17	x	x			x			x				5	x			x	x		x		
Pioneer UKP-7200	M <sub>2</sub>	17		x			x							5	x			x	x	x			

SPECIFICATIONS									DIMENSIONS				GENERAL			
AMPLIFIER		FM TUNER				TAPE			Shaft Spacing	Chassis Dimensions	Nosepiece Dimensions	Installation Depth	Warranty	List Price	Our Price	
Power Output per Channel At 3.5% THD (Volts x channels)	Recommended Minimum Load (ohms)	FM Frequency Response (±3 dB)	Monophonic Usable Sensitivity (dB)	Monophonic 50 dB Quieting Sensitivity (dBf)	Stereo Separation at 1 kHz (dB)	Tape Frequency Response (±3 dB)	Signal to Noise Ratio (dB)	Wow and Flutter (%)								
5.0	2	30-15k	13.0	18.0	35	40-12k	50	.25	5 1/4	6 3/8 x 1 1/8 x 4 1/2	3 3/8 x 1 1/2	5 1/4	B	\$118.00	\$ 89	Clarion 3150R
5.0	2	30-15k	12.0	17.0	35	30-14k	56	.15	5 1/4	6 3/8 x 1 1/8 x 4 1/2	3 3/8 x 1 1/2	5 3/8	B	\$181.00	\$144	Clarion 5150R
5.0	2	30-15k	12.0	17.0	35	30-14k	56	.15	5 1/4	6 3/8 x 1 1/8 x 4 1/2	3 3/8 x 1 1/2	5 1/4	B	\$229.00	\$179	Clarion 5550R
4.5	2	30-15k	17.8	20.9	32	50-12k	57	.15	5 1/4-5 1/2	6 1/4 x 1 1/4 x 4 3/4	3 1/2 x 1 1/4	5 1/4	B	\$299.95	\$229	Craig T560
4.5	2	30-15k	17.3	25.2	30	50-10k	50	.30	4 1/4-5 1/2	6 3/8 x 1 1/8 x 4 3/8	3 3/8 x 1 1/4	5	B	\$199.95	\$159	Jensen R210
4.8	2	30-15k	14.8	19.2	30	50-10k	50	.12	4 1/4-5 1/4	6 3/8 x 1 1/8 x 4 1/2	3 3/8 x 1 1/4	5	B	\$369.95	\$299	Jensen RE512
4.8	4	30-15k	17.0	23.0	38	50-10k	50	.15	5-5 1/4	6 1/4 x 1 1/8 x 4 1/2	3 3/8 x 1 1/4	4 3/8	B	\$159.95	\$129	Mitsubishi RX-723
2x13	4	30-15k	22.0	22.0	35	50-12k	57	.15	5 1/4-5 1/4	6 3/8 x 2 x 4 3/4	3 3/8 x 1 1/4	5 1/4	B	\$369.95	\$259	Mitsubishi CZ-725/CV-22
4x13	4	30-15k	22.0	22.0	35	50-12k	57	.15	5 1/4-5 1/4	6 3/8 x 2 x 4 3/4	3 3/8 x 1 1/4	5 1/4	B	\$399.95	\$289	Mitsubishi CZ-725/CV-25
4.7	4	30-12k	22.0	22.0	35	50-12k	52	.15	4 1/4-5 1/4	6 3/8 x 2 x 4 3/4	3 3/8 x 1 1/4	5 3/8	B	\$199.95	\$159	Mitsubishi RX-726
4.7	4	30-15k	20.8	23.2	30	50-12k	52	.15	5 1/4-5 1/4	7 1/8 x 2 x 3 3/8	3 3/4 x 1 1/4	6	B	\$209.95	\$179	Pioneer UKP-5200
5.1	4	30-15k	16.9	19.2	33	50-12k	52	.15	5 1/4-5 1/4	7 1/8 x 2 x 3 3/8	3 3/4 x 1 1/4	6	B	\$249.95	\$219	Pioneer UKP-5600
4.8	4	30-15k	20.8	23.2	33	50-12k	52	.13	5 1/4-5 1/4	7 1/8 x 2 x 3 3/8	3 3/4 x 1 1/4	6	B	\$239.95	\$199	Pioneer UKP-7200



## Clarion 3150R

Sparkling AM/FM stereo and cassette listening are yours at this low price thanks to Clarion. The new 3150R gives you tuner performance found in units of greater cost, a solid cassette transport and contemporary black styling. If your space and budget are limited, you won't find a better buy. List Price: \$129.00.

**FEATURES:** Stereo/mono switch, locking fast forward, auto stop at tape end, auto local/distant function

**SPECIFICATIONS:** Power output: 5 watts per channel; usable sensitivity: 13 dBf; stereo separation: 35 dB; tape signal to noise ratio: 50 dB; wow and flutter: .25%; chassis size designation: M

#0203150R **OUR PRICE: \$89**

## Mitsubishi RX-723

Own an X-body? Mitsubishi's RX-723 will fit in your dash without major surgery. It can even be mounted in a Citation using a special vertical nosepiece included. However, unlike many other mini car stereos, the RX-723 gives you the extra features you need to enjoy high fidelity. The loudness switch gives you a bass boost at low volume levels to produce a more lifelike sound. The front to rear fader lets you balance the sound of four individual speakers, and the mono/stereo and local/distance switches make FM strong without noise. List Price: \$159.95.

**FEATURES:** Horizontal/vertical mount, loudness control, fader control, mono/stereo switch, local/distance switch

**SPECIFICATIONS:** Power output: 4.6 watts per channel; usable sensitivity: 17 dBf; stereo separation: 38 dB; tape signal to noise ratio: 50 dB; wow and flutter: .15%; chassis size designation: M

#124RX723 **OUR PRICE: \$129**

## Clarion 5150R

Quality, value and performance are what the new Clarion is all about. The 5150R is our lowest priced auto reverse unit in a mini chassis. Yet its performance specifications rival those of much more expensive units on both FM and tape. A full one year warranty is your assurance of good reliability. List price: \$199.00.

**FEATURES:** Auto reverse, locking fast forward and rewind, loudness, metal tape equalization, fader, power antenna lead, automatic local/distance, signal acuated stereo control, travelers advisory reception

**SPECIFICATIONS:** Power output: 5 watts per channel; Usable sensitivity: 12 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 56 dB; Wow and flutter: .15%; Chassis size designation: M

#0205150R **OUR PRICE: \$144**

## Jensen R210

Jensen's new R210 delivers superior performance, superior cosmetics and a few extra features at a nice low price. It's one of the few mini chassis receivers on the market with pushbutton tuning. You can preset five AM stations, five FM stations or any combination of the two. The front/rear fader lets you balance the sound of a four speaker system. If your rear seat passengers want peace and quiet you can listen to the front speakers only. List Price: \$199.95.

**FEATURES:** Pushbutton tuning, mono/stereo switch front/rear fader

**SPECIFICATIONS:** Power output: 4.5 watts per channel; usable sensitivity: 17.3 dBf; stereo separation: 30 dB; best tape signal to noise ratio: 50 dB; wow and flutter: .30%; chassis size designation: M

#110R210 **OUR PRICE: \$159**







## Mitsubishi RX-726

The economical RX-726 has a variety of popular features that provide ease of operation and enjoyable listening in limited space applications. Internal circuitry continuously filters out most interference while maintaining full range sound. Auto reverse means non stop play of your cassettes (even metal) for uninterrupted pleasure. List Price: \$199.95.

**FEATURES:** Auto reverse, metal/CrO<sub>2</sub> EQ, local/distance, fader, loudness switch, power antenna lead

**SPECIFICATIONS:** Power output: 4.7 watts per channel; usable sensitivity: 22 dBf; stereo separation: 35 dB; tape signal to noise ratio: 52 dB; chassis size designation: M

#123RX726 **OUR PRICE: \$159**



## Clarion 5550R

Fantastic tuner performance and an extra measure of convenience characterize the 5550R. The improved Magi-tune FM automatically reacts to the constant changes in FM signal strength characteristic of radio reception in a moving vehicle. The auto reverse cassette deck gives you hands-off convenience, quiet performance and ultimate reliability. List price: \$259.00.

**FEATURES:** Auto reverse, pushbutton tuning, Magi-tune FM, FM noise canceller, automatic local/distance, automatic program control, fader, loudness, power antenna lead

**SPECIFICATIONS:** Power output: 6 watts per channel; Usable sensitivity: 12 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 56 dB; Wow and flutter: .15%; Chassis size designation: M

#020550R **OUR PRICE: \$179**



## Pioneer UKP-5200

Reliability. That one simple fact keeps Pioneer on top and out front. The pleasant styling of the UKP-5200 will blend into your car's interior and provide trouble free service for years. Important features protect your valued cassettes from common problems and the sound is great! Radio listening is superb, and easy pushbutton tuning allows distraction free selection of your favorite stations. It looks good, sounds good, and lasts a long time — all at a reasonable price. List Price: \$209.95.

**FEATURES:** Five station preset pushbutton tuning, music search, ATSC, loudness control, hard permalloy tape head, FM mono/stereo switch

**SPECIFICATIONS:** Power output: 4.7 watts per channel; usable sensitivity: 20.8 dBf; stereo separation: 30 dB; tape signal to noise ratio: 52 dB; wow and flutter: .15%; chassis size designation: A

#130KP5200 **OUR PRICE: \$179**



## Pioneer UKP-7200

Pioneer combines their precision auto reverse tape section with their rugged pushbutton tuner to produce the crowd pleasing UKP-7200. Designed to operate flawlessly in the extreme environment of your automobile, this well crafted compact also delivers rich sound. Never before has Pioneer offered so much convenience and performance in a chassis size suitable for many imports and domestic cars. Truly an engineering achievement, at a popular price. List Price: \$239.95,

**FEATURES:** Auto reverse, automatic tape slack canceller, music search, five station preset pushbutton tuning, hard permalloy head, stereo/mono switch, loudness switch, key-off pinch roller release

**SPECIFICATIONS:** Power output: 4.8 watts per channel; usable sensitivity: 20.8 dBf; stereo separation: 33 dB; tape signal to noise ratio: 52 dB; wow and flutter: .13%; chassis size designation: A

#130KP7200 **OUR PRICE: \$199**





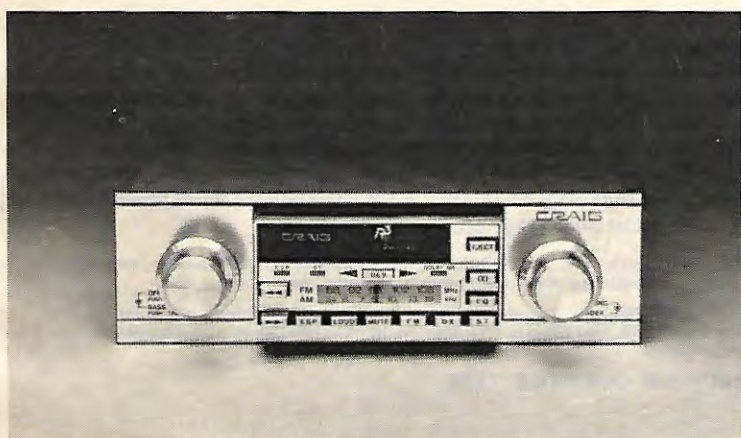
## Pioneer UKP-5600

You'll be impressed by Supertuner II®, Pioneer's state-of-the-art mobile reception circuitry. In addition, the UKP-5600 incorporates pushbutton tuning for five stations, independent bass and treble controls plus a noise suppression system that is very effective in certain troubled imports. Cassettes produce remarkably high quality sound and are protected by the innovative tape mechanism. Altogether a fine product from an industry pacesetter. List Price: \$249.95.

**FEATURES:** Supertuner II®, music search, automatic tape slack canceller, separate bass and treble, PNS noise suppression, five station preset pushbutton tuning, hard permalloy head, key-off pinch roller release

**SPECIFICATIONS:** Power output: 5.1 watts per channel; usable sensitivity: 16.9 dBf; stereo separation: 33 dB; tape signal to noise ratio: 52 dB; wow and flutter: .15%; chassis size designation: A

#130KP5600 **OUR PRICE: \$219**



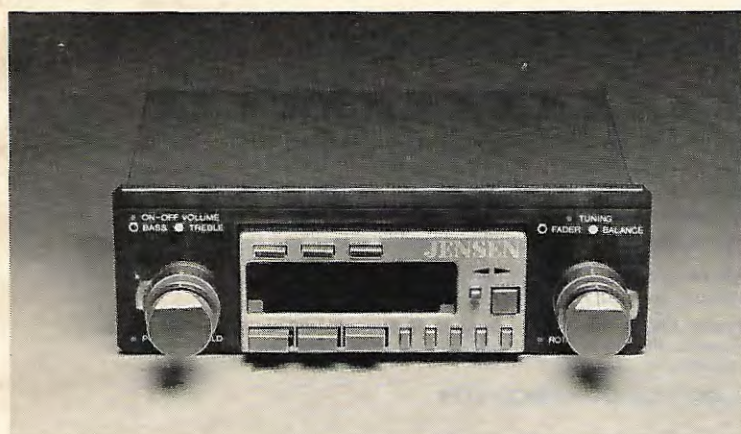
## Craig T560

Have you ever wanted to repeat or skip a song on a cassette and been frustrated trying to find the beginning or end of the selection? Not only does the T560 perform this convenience and more, it produces superb playback quality. Craig intelligently laid out all the controls for ease of operation while you concentrate on driving and listening. The T560 is a Road Rated Receiver® – one of Craig's finest, that can be purchased with confidence. List Price: \$279.95.

**FEATURES:** Auto reverse, Dolby NR, tape equalization, sendust alloy head, electronic search and play for tapes (ESP), independent bass and treble controls, fader, preamp outputs

**SPECIFICATIONS:** Power output: 4.5 watts per channel; usable sensitivity: 17.8 dBf; stereo separation: 32 dB; tape signal to noise ratio: 57 dB; wow and flutter: .15%; chassis size designation: M

#030T560 **OUR PRICE: \$229**



## Jensen RE512

This is the stereo small car owners have been waiting for. Jensen's RE512 gives you an advanced electronic frequency synthesis tuner with soft touch preset tuning and a high quality auto reverse tape deck in a mini size chassis to fit most X-body and Japanese import cars. This mini miracle also includes separate bass and treble controls for complete tone control and a digital clock to highlight your dashboard. List Price: \$369.95.

**FEATURES:** Auto reverse, electronic scan tuning, digital clock, separate bass and treble controls, stereo/mono switch, local/distance switch and a front/rear fader

**SPECIFICATIONS:** Power output: 4.8 watts per channel; usable sensitivity: 14.8 dBf; stereo separation: 30 dB; tape signal to noise ratio: 50 dB; wow and flutter: .12%; chassis size designation: M

#110RE512 **OUR PRICE: \$299**



## Mitsubishi CZ-725 with CV-22 or CV-25

Citation owners, rejoice! Now there's a component system with the extra performance you've been missing, engineered for imports and X-bodies. The presence and realism of tape play seems to bring the artist into your car. And there's exceptional tuner performance too. Choose the CZ-725/CV-22 system for two speakers. Four speaker installations should use the CZ-725/CV-25 combination. You'll appreciate owning this extra special system. List Price: with CV-22 \$329.90; with CV-25 \$359.90.

**FEATURES:** Component system, auto reverse, Dolby NR, tape equalization, separate bass, treble and loudness, fader, separate amplifier chassis, citation vertical nose-piece available

**SPECIFICATIONS:** Power output: 13 watts per channel; usable sensitivity: 22 dBf; stereo separation: 35 dB; tape signal to noise ratio: 57 dB; wow and flutter: .15%; chassis size designation: M

#124CZ725A [CZ-725 & CV-22] **OUR PRICE: \$259**

#124CZ725B [CZ-725 & CV-25] **OUR PRICE: \$289**



# General Motors J-Car

If you're thinking about buying a new GM J-Car and you're not too impressed with that strange radio GM offers, we have some good news for you. You can order a J-Car without a radio and get a better stereo for less money. We stock an installation kit that makes it possible to install any of our A, B or C size in-dash receivers. However, for factory installed appearance with high fidelity performance and value we recommend Clarion's new 2500R. You get auto reverse for uninterrupted, hands-free tape enjoyment. Five station pushbutton tuning lets you tune in your favorite station without the distraction of knob twisting. The improved Magitone® FM section constantly monitors FM signal strength, dynamically adjusting critical elements for optimum reception. Separate bass and treble controls let you adjust the tone to suit your musical taste. APC, or automatic program control, lets you quickly locate the beginning of your favorite songs on a tape while in the rewind or fast forward mode. Of course, Dolby noise reduction and selectable tape equalization combine for ultra quiet tape performance. The fader control lets you balance the sound from front to rear. You also benefit from an automatic local/distance circuit and built-in FM noise cancellation. The power antenna lead insures compatibility with a wide variety of antennas and power amplifiers.

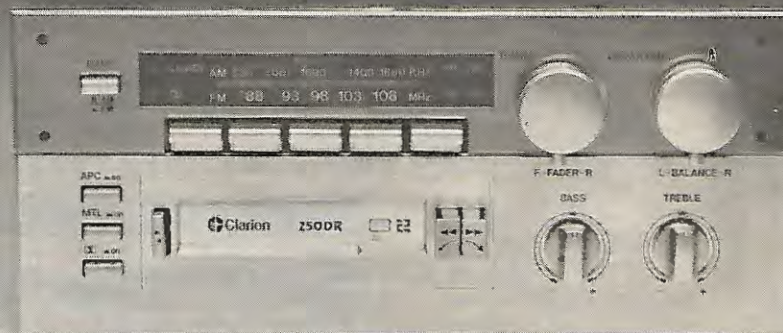
## FEATURES:

- Auto reverse
- 5 station pushbutton tuning
- Separate bass and treble controls
- Improved Magitone FM
- FM noise canceller
- Auto cue/review (APC)
- Dolby NR
- Tape equalization
- Fader
- Power antenna lead
- Automatic local/distance

**SPECIFICATIONS:** Power output: 5.0 watts per channel; Usable sensitivity: 12.0 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 65 dB; Wow and flutter: .15%; Tape frequency response: 30-14,000 Hz. Warranty: B. List price: \$296.00.

#0202500R

**OUR PRICE: \$239**



*Clarion's 2500R for General Motors Cavalier, Cimarron and J2000*



*Our in-dash installation kit #513007 for J-Cars is shown with the Concord HPL-101 installed.*

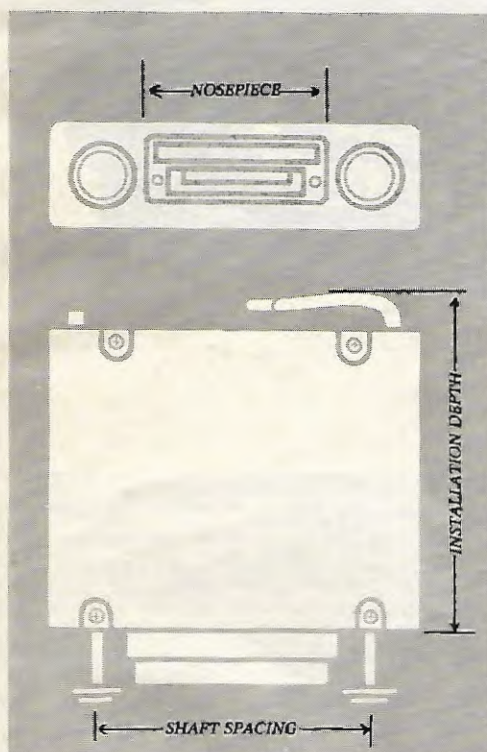
If you wish to install any of our other stereos which have an A, B or C size chassis, you will need a special installation kit #120513007 made for Cavalier, Cimarron and J2000.

#120513007 **OUR PRICE: \$30**

#120513007 with purchase of receiver **\$15**



# In-Dash Cassettes



	FEATURES																						
	Chassis Size	Page	Separate Bass and Treble	Loudness Switch	Fader	Preamp Output	Mono/Stereo Switch	Local/Distance Switch	FM Mute Switch	Auto High Blend	Digital Display	Clock	Scanning Tuner	Preset Station Freq.	Power Antenna Lead	Dolby Noise Reduction	Selectable Tape Equalization	Hard Tape Head	Auto Cue/Review	Auto Reverse	Auto Eject	Power Off Eject	
Blaupunkt CR-2001	A	28	x				x	x						5	x	x				x		x	
Blaupunkt CR-2002	A	26	x			x				x					x	x	x	x		x		x	
Blaupunkt CR-2010	A	29	x		x	x	x	x		x				5	x	x	x	x		x		x	
Blaupunkt CR-5001	A	29	x	x	x		x	x			x	x		5	x	x	x	x		x		x	
Clarion 3100R	A	20					x																
Clarion 3700R	A	20		x						x				5	x								
Clarion 5100R	A	20		x	x					x					x		x			x			
Clarion 5500R	A	22		x	x					x				5	x		x		x	x			
Clarion 5700R	A	26		x	x					x	x	x	x	10	x		x						
Clarion 7500R	D	27	x		x					x				5	x	x	x	x	x	x			
Concord HPL-101	A	23	x	x		x		x							x		x	x			x	x	
Concord HPL-112	A	24	x	x		x		x							x	x	x	x			x	x	
Concord HPL-115	C	28	x	x		x	x	x	x						x	x	x	x			x	x	
Concord HPL-118	B	29	x	x		x	x	x	x					5	x	x	x	x			x	x	
Concord HPL-515	C	30	x	x	x	x	x		x		x	x			x	x	x	x			x	x	
Craig T619	A	24	x	x	x	x	x	x	x						x	x	x	x	x	x		x	
Craig T691	A	21	x	x	x	x	x	x	x						x							x	
Craig T692	A	23	x	x	x	x	x	x	x						x	x				x		x	
Jensen R406	C	23	x	x	x		x		x	x				5				x		x			
Jensen RE518	A	29	x	x	x		x	x	x		x	x	x	10	x	x	x			x			
Marantz CAR-312	A	22	x	x						x					x				x		x		
Marantz CAR-320	A	21								x					x					x	x		
Marantz CAR-322	A	24	x		x					x					x	x	x			x			
Marantz CAR-340	A	28	x		x	x			x	x				5	x	x	x			x			
Mitsubishi RX-791	B	27	x		x					x				5	x	x	x			x			
Pioneer KE-5100	C	27		x	x		x			x	x	x	x	15	x			x			x		
Pioneer KP-2500	C	20					x								x						x		
Pioneer KP-4500	C	21		x			x								x					x			
Pioneer KP-5500	C	21					x		x					5	x						x		
Pioneer KP-6500	C	23		x	x		x			x				5				x			x		
Pioneer KP-7500	C	24		x	x		x			x					x	x	x	x		x			
Pioneer KP-8500	D	22					x	x						5	x	x		x			x		
Sony XR-25	A	22	x		x	x	x								x		x	x		x			
Sony XR-35	A	26	x		x	x	x								x	x	x	x		x			
Sony XR-50	C	26	x	x	x	x	x	x			x	x					x	x	x		x	x	
Sony XR-55	B	28	x	x		x	x	x						6	x	x	x	x		x			
Sony XR-77	E	30	x	x	x	x	x	x			x	x	x	10	x	x	x	x	x		x	x	



SPECIFICATIONS										DIMENSIONS			GENERAL			
AMPLIFIER		FM TUNER					TAPE			Chassis Dimensions	Nosepiece Dimensions	Installation Depth	Warranty	List Price	Our Price	
Power Output per Channel At 3.5% THD (Volts x channels)	Recommended Minimum Load (ohms)	FM Frequency Response (±3 dB)	Monophonic Usable Sensitivity (dB)	Monophonic 50 dB Quieting Sensitivity (dBf)	Stereo Separation at 1 kHz (dB)	Tape Frequency Response (±3 dB)	Signal to Noise Ratio (dB)	Wow and Flutter (%)	Shaft Spacing							
4.5	4	50-15k	15.0	22.6	33	50-15k	60	.15	5 1/8-5 3/4	7x2x5 1/4	4 1/8x1 1/8	5 3/4	B	\$350.90	\$289	Blaupunkt CR-2001
5.2	4	30-15k	14.1	16.7	38	55-16.2k	61	.15	5 1/8-5 3/4	7 1/8x1 3/4x5 1/8	4 1/8x1 1/8	5 3/4	B	\$290.00	\$249	Blaupunkt CR-2002
4x5.2	4	30-15k	14.1	16.7	38	55-16.2k	65	.15	5 1/8-5 3/4	7 1/8x2x5 1/2	4 1/8x1 1/8	6	B	\$396.00	\$329	Blaupunkt CR-2010
4x14	4	30-15k	10.7	20.2	32	60-12k	58	.13	n/a	7 1/8x2x5 1/4	6 3/4x2	5 3/4	B	\$450.00	\$369	Blaupunkt CR-5001
5.0	2	30-15k	13.0	18.0	35	40-12k	50	.25	5 1/8-5 3/4	7 1/8x2x4 1/2	4 1/8x1 3/4	5 3/8	B	\$113.00	\$ 89	Clarion 3100R
5.0	2	30-15k	13.0	18.0	35	40-12k	50	.25	5 1/8-5 3/4	7 1/8x2x4 1/8	4 1/8x1 3/4	5 1/2	B	\$172.00	\$129	Clarion 3700R
5.0	2	30-15k	12.0	17.0	35	30-14k	56	.15	5 1/8-5 3/4	7 1/8x2x4 1/2	4 1/8x1 3/4	5 1/2	B	\$181.00	\$139	Clarion 5100R
5.0	2	30-15k	12.0	17.0	35	30-14k	56	.15	5 1/8-5 3/4	7 1/8x2x4 1/2	4 1/8x1 3/4	5 1/2	B	\$229.00	\$179	Clarion 5500R
5.0	2	30-15k	12.0	17.0	35	30-14k	56	.25	5 1/8-5 3/4	7 1/8x2x4 1/2	4 1/8x1 3/4	5 1/2	B	\$305.00	\$239	Clarion 5700R
14.0	2	30-15k	12.0	17.0	35	30-14k	65	.13	5 1/8-5 3/4	7 1/8x2 3/4x4 1/2	4 1/8x1 3/4	5 1/2	A	\$324.00	\$249	Clarion 7500R
5.0	4	30-15k	11.2	19.6	35	30-20k*	48	.08	5 1/8-6 1/4	7 1/8x2x4 3/8	4 1/4x1 3/8	5 1/2	B	\$249.95	\$199	Concord HPL-101
5.0	4	30-15k	11.2	19.6	35	30-20k*	56	.08	5 1/8-6 1/4	7 1/8x2x5 1/4	4 1/4x1 3/4	5 1/2	B	\$279.95	\$224	Concord HPL-112
14.0	4	30-15k	11.2	19.6	35	30-20k*	56	.08	5 1/8-6 1/4	7 1/8x2x6	4 1/4x1 3/4	6 1/4	B	\$349.95	\$284	Concord HPL-115
14.0	4	30-15k	11.2	19.6	35	30-20k*	56	.08	5 1/8-6 1/4	7 1/8x2x6	4 1/8x1 3/4	6 1/4	B	\$379.95	\$299	Concord HPL-118
14.0	4	30-15k	11.2	19.6	35	30-20k*	56	.08	5 1/8-6 1/4	7 1/8x2x6 3/8	4 1/4x1 3/4	6 3/8	B	\$469.95	\$379	Concord HPL-515
13.6	2	50-15k	18.8	25.2	32	50-13k	60	.18	5 1/4-6 1/2	7 1/8x2x5 1/8	4 1/8x1 3/4	5 3/8	B	\$299.95	\$229	Craig T619
13.4	4	30-15k	20.0	21.9	30	50-12k	50	.15	5 1/8-5 3/4	7x1 3/4x5 1/8	4 1/8x1 3/4	5 1/2	B	\$199.95	\$154	Craig T691
13.6	4	30-15k	20.0	21.9	30	50-12k	57	.15	5 1/8-5 3/4	7x1 3/4x5 1/8	4 1/8x1 3/4	5 1/2	B	\$264.95	\$199	Craig T692
4.8	2	30-15k	14.8	19.2	30	50-10k	50	.15	5 1/8-5 3/4	7x1 3/4x6	4 1/4x1 3/4	6 1/2	B	\$289.95	\$219	Jensen R406
5.0	2	30-15k	14.8	19.2	30	50-10k	50	.12	5 1/8-6 3/8	7 1/8x1 3/4x4 3/4	4 1/8x1 3/4	5 1/2	B	\$399.95	\$329	Jensen RE518
4.0	4	30-15k	8.7	16.8	36	50-14k	50	.14	5 1/8-5 3/4	6 3/4x1 3/4x4 3/4	4 1/8x1 3/8	5 1/8	C	\$220.00	\$179	Marantz CAR-312
4.0	4	30-15k	8.9	17.0	35	50-14k	50	.16	5 1/8-5 3/4	6 3/4x1 3/4x4 3/4	4 1/8x1 3/8	5 1/8	C	\$170.00	\$149	Marantz CAR-320
6.0	4	40-14k	14.7	20.3	34	40-13k	60	.15	5 1/8-5 3/4	6 3/4x1 3/4x4 3/4	4 1/8x1 3/8	5 3/8	C	\$250.00	\$219	Marantz CAR-322
6.0	4	40-14k	14.7	20.3	34	40-13k	60	.15	5 1/8-5 3/4	7 1/8x2x5 1/8	4 1/8x1 3/8	6 1/2	C	\$333.00	\$279	Marantz CAR-340
12.0	4	30-15k	22.0	22.0	40	50-12.5k	57	.10	5 1/8-5 3/4	7x2x5 3/8	4 1/4x1 3/8	6 3/8	B	\$379.95	\$269	Mitsubishi RX-791
5.4	2	30-15k	16.8	19.2	42	50-12k	52	.15	5 3/4	7 1/8x2x6	4 1/8x1 3/4	6 3/4	B	\$299.95	\$254	Pioneer KE-5100
4.5	4	30-15k	17.2	19.2	48	50-12k	45	.28	5 3/4-6 1/4	7 1/8x2x5 3/4	4 1/8x1 3/4	6 3/4	B	\$149.95	\$124	Pioneer KP-2500
5.6	4	30-15k	17.2	19.2	47	50-12k	45	.20	5 3/4-6 1/4	7 1/8x2x5 3/8	4 1/8x1 3/4	6 3/8	B	\$169.95	\$144	Pioneer KP-4500
4.4	4	30-15k	12.0	14.3	33	50-12k	45	.28	5 3/4-6 1/4	7 1/8x2x5 3/4	4 1/8x1 3/8	6 3/4	B	\$189.95	\$159	Pioneer KP-5500
5.0	4	50-12k	16.8	19.2	45	50-12k	45	.28	5 3/4	7 1/8x2x6	4 1/8x1 3/4	6 3/4	B	\$219.95	\$189	Pioneer KP-6500
5.6	4	50-12k	16.8	19.2	45	50-12k	53	.20	5 3/4	7 1/8x2x5 3/4	4 1/8x1 3/4	6 3/4	B	\$259.95	\$224	Pioneer KP-7500
4.2	4	50-15k	12.0	14.3	35	50-12k	53	.28	5 1/8-6 1/4	7 1/8x3x5 3/4	4 1/8x1 3/4	6	B	\$199.95	\$174	Pioneer KP-8500
4.9	2	30-15k	15.0	18.2	30	50-12k	56	.20	5 1/8-5 3/4	6 3/4x1 3/4x4 3/4	4 1/8x1 3/8	5 1/4	B	\$229.95	\$189	Sony XR-25
5.1	2	30-15k	15.0	18.2	30	50-12k	64	.20	5 1/8-5 3/4	6 3/4x1 3/4x5 1/4	4 1/8x1 3/8	5 3/4	B	\$279.95	\$234	Sony XR-35
5.2	4	50-12.5k	14.0	19.0	35	32-14k	52	.12	5 1/8-6	7 1/8x1 3/4x6	4 1/8x1 3/8	6 3/8	B	\$309.95	\$249	Sony XR-50
12.4	2	30-15k	13.0	18.0	30	30-14k	66	.12	5 1/8-5 3/4	7 1/8x1 3/4x6	4 1/8x1 3/8	6 3/8	B	\$359.95	\$299	Sony XR-55
16.0	4	50-12.5k	13.0	18.0	40	30-18k	66	.10	5 1/8-6	7 1/8x2 1/8x6	4 1/8x1 3/4	6 1/2	B	\$499.95	\$419	Sony XR-77

\* Metal Tape





## Clarion 3100R

Basic car stereo doesn't get any better than this. Clarion features the perfect balance of quality, value and performance throughout their entirely new product line-up. The 3100R offers tuner performance that compares favorably with a lot of our enthusiast series receivers. You also get good looks and a super reliable cassette player from the most experienced autosound manufacturer in the world. List price: \$129.00.

**FEATURES:** Locking fast forward, autostop at end of tape, stereo/mono switch, traveler's advisory reception, automatic local/distance

**SPECIFICATIONS:** Power output: 5 watts per channel; Usable sensitivity: 13 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 50 dB; Wow and flutter: .25%; Chassis size designation: A

#0203100R **OUR PRICE: \$89**



## Pioneer KP-2500

In the FM mono mode, the KP-2500 rolls off the high frequencies automatically, to give you remarkably long distance reception. The rugged tape transport automatically replays your cassette after rewinding. Certain off brand units in this price range may well offer more features, but we haven't found one that performs as well or as reliably as the KP-2500. List price: \$149.95.

**FEATURES:** Stereo/mono switch, locking fast forward and rewind, auto eject, balance and tone controls, LED stereo indicator, power antenna lead, tuner on/off switch

**SPECIFICATIONS:** Power output: 4.5 watts per channel; usable sensitivity: 17.2 dBf; stereo separation: 48 dB; tape signal to noise ratio: 45 dB; wow and flutter: .28%; chassis size designation: C

#130KP2500 **OUR PRICE: \$124**



## Clarion 3700R

Look at this Clarion closely — it's such an incredible value we can scarcely believe it! Fill that void in your dash with this thoroughly elegant cassette receiver. Choose crystal clear tape or AM/FM listening. This tuner incorporates Clarion's famous SASC (Signal Actuated Stereo Control) circuitry for the best possible reception under all conditions. And you'll enjoy the added luxury of pushbutton tuning, especially at this price. List Price: \$189.00.

**FEATURES:** Five pushbutton tuning, loudness switch, locking fast forward and rewind

**SPECIFICATIONS:** Power output: 4.1 watts per channel; usable sensitivity: 13 dBf; stereo separation: 35 dB; tape signal to noise ratio: 50 dB; wow and flutter: .25%; chassis size designation: A

#0203700R **OUR PRICE: \$129**



## Clarion 5100R

Auto-reverse, metal tape equalization and unheard of FM performance in this price range make the new Clarion 5100R one of the best buys in this catalog. The Signal Actuated Stereo Control optimizes reception under all signal conditions and increases reception range. The automatic local/distance circuit eliminates the need to manually adjust reception sensitivity in urban areas where strong stations interfere with weaker ones.. List price: \$199.00.

**FEATURES:** Auto reverse, metal tape equalization, loudness, fader, automatic local/distance, improved Magi-tune FM, travelers advisory reception

**SPECIFICATIONS:** Power output: 5 watts per channel; Usable sensitivity: 12 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 56 dB; Wow and flutter: .15%; Chassis size designation: A

#0205100R **OUR PRICE: \$139**





## Pioneer KP-4500

Even at this low price, you can have the best auto reverse transport on the market. The KP-4500 has Pioneer's exclusive Automatic Tape Slack Canceller that tightens loosely wound tapes before playing to eliminate tape jamming. In addition, this transport will reverse direction in less than one second! A remarkably sensitive tuner is the crowning touch for the KP-4500. Don't be led astray by off brand claims – you could pay a lot more and get a lot less. List Price: \$169.95.

**FEATURES:** Auto reverse, ATSC, loudness switch, stereo/mono switch, tape direction indicators, automatic FM muting, LED stereo indicator, power antenna lead

**SPECIFICATIONS:** Power output: 5.6 watts per channel; usable sensitivity: 17.2 dBf; stereo separation: 47 dB; tape signal to noise ratio: 45 dB; wow and flutter: .20%; chassis size designation: C

#130KP4500 **OUR PRICE: \$144**



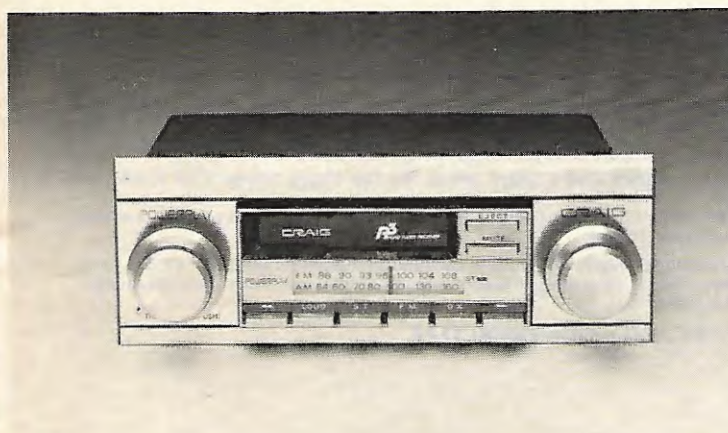
## Marantz CAR-320

Exceptional among its peers, the CAR-320 embodies honest performance, quality construction and splendid styling. The Interference Management System preens weak FM signals for maximum clarity and the CAR-320 incorporates the Continuous Music System so that you can listen to the tuner while fast rewinding cassettes. List Price: \$170.00.

**FEATURES:** Auto reverse, tape direction indicators, Continuous Music System, Interference Management System, LED stereo indicator

**SPECIFICATIONS:** Power output: 4.0 watts per channel; usable sensitivity: 8.9 dBf; stereo separation: 35 dB; tape signal to noise ratio: 50 dB; wow and flutter: .16%; chassis size designation: A

#200CAR320 **OUR PRICE: \$149**



## Craig T691

Craig's new T691 gives you high power at an incredibly low price plus separate bass and treble controls to shape that high power into high fidelity sound. You get loudness for lifelike sound at low volume levels and FM muting to quiet interstation noise when tuning. Local/distance and mono/stereo functions help you cope with the realities of FM reception in a mobile environment. List Price: \$189.95.

**FEATURES:** Separate bass and treble, loudness, FM muting, fader, preamp output, mono/stereo switch

**SPECIFICATIONS:** Power output: 13.4 watts per channel; usable sensitivity: 20 dBf; stereo separation: 30 dB; tape signal to noise ratio: 50 dB; wow and flutter: .15%; chassis size designation: A

#030T691 **OUR PRICE: \$154**



## Pioneer KP-5500

Pioneer recently retired their famous KP-8005 receiver for American cars after years of tried and true service. But grieve not; the performance, durability, and styling of the 8005 have been reincarnated in the new KP-5500. You'll get superior Pioneer sound in a ruggedly built unit. List Price: \$189.95.

**FEATURES:** Supertuner\*FM section, five station pushbutton tuning, FM mute switch, stereo/mono switch, auto eject, tuner on/off switch, locking fast forward and rewind, reliable construction

**SPECIFICATIONS:** Power output: 4.4 watts per channel; usable sensitivity: 12.0 dBf; stereo separation: 33 dB; tape signal to noise ratio: 45 dB; wow and flutter: .28%; chassis size designation: C

#130KP5500 **OUR PRICE: \$159**





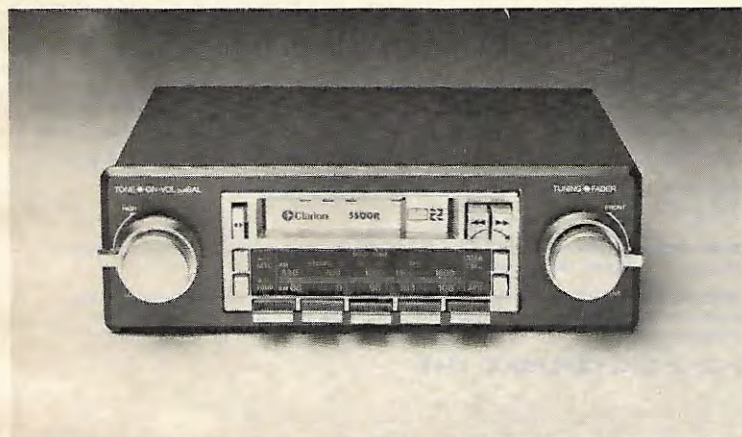
## Pioneer KP-8500

Your domestic automobile will truly benefit from the KP-8500. First of all, Pioneer's famous Supertuner achieves outstanding reception and the pushbutton tuning gives distraction free selection of your favorite stations. Dolby NR for FM and tape yields performance quality unheard of in this price range. If your budget is low but your standards are high, the KP-8500 is the logical selection. List Price: \$199.95.

**FEATURES:** Dolby NR on tape and FM, five station pushbutton tuning, stereo/mono switch, FM mute switch, local/distance switch, Pioneer Supertuner circuitry, auto eject, locking fast forward and rewind

**SPECIFICATIONS:** Power output: 4.2 watts per channel; usable sensitivity: 12.0 dBf; stereo separation: 35 dB; tape signal to noise ratio: 53 dB; wow and flutter: .28%; chassis size designation: D

#130KP8500 **OUR PRICE: \$174**



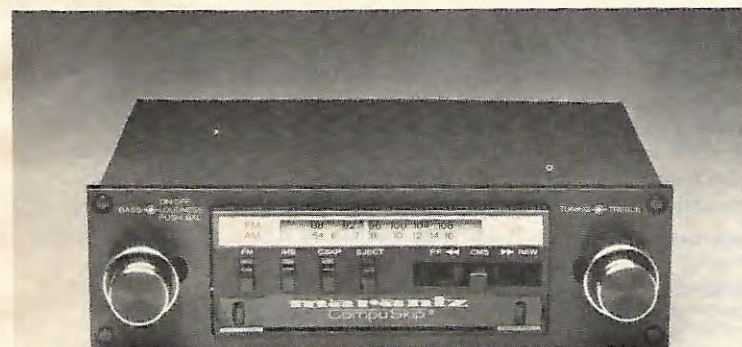
## Clarion 5500R

The new Clarion 5500R delivers superior FM performance thanks to improved Magi-Tune circuitry and superior cassette performance with the convenience of auto reverse and auto program control which allows the listener to locate the beginning of each program segment in fast wind. The fader control provides front to rear balance.. List price: \$259.00.

**FEATURES:** Auto reverse, pushbutton tuning, Magi-tune FM, FM noise canceller, travelers advisory reception, automatic local/distance, automatic program control, loudness, metal tape equalization, power antenna lead, fader

**SPECIFICATIONS:** Power output: 5 watts per channel; Usable sensitivity: 12 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 56 dB; Wow and flutter: .15%; Chassis size designation: A

#0205500R **OUR PRICE: \$179**



## Marantz CAR-312

The CAR-312 brings together unique features and a remarkably low price. The Continuous Music System means you listen to the radio instead of silence while fast winding your tapes. CompuSkip finds the blank spaces between songs at the flick of a lever. Sharp styling, sharp performance and a sharp price, for the sharp buyer. List Price: \$220.00.

**FEATURES:** CompuSkip, Continuous Music System, bass and treble controls, Interference Management System

**SPECIFICATIONS:** Power output: 4 watts per channel; usable sensitivity: 8.7 dBf; stereo separation: 36 dB; tape signal to noise ratio: 50 dB; wow and flutter: .14%; chassis size designation: A

#200CAR312 **OUR PRICE: \$179**



## Sony XR-25

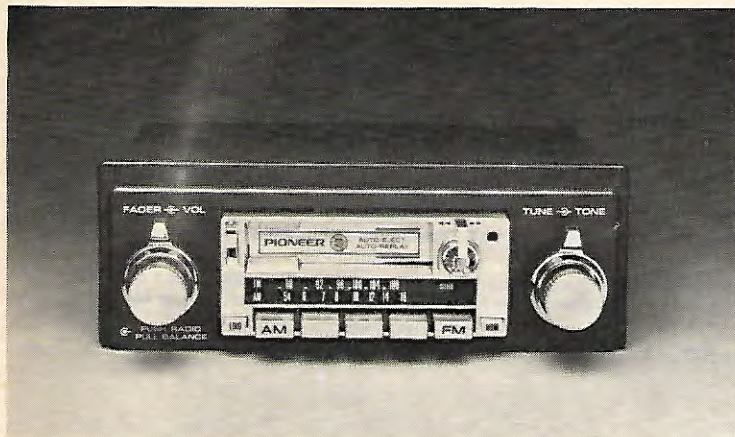
The advanced technology of Sony products is evident in the new XR-25. Not only does this marvel offer unique features, its incredibly small chassis gives a perfect fit in many difficult installations. Sound is tailored to your car with the unusual step equalizer that provides two levels of boost at any combination of three different frequencies, while a continuously variable high filter can reduce tape noise or FM hiss. A terrific performer, easy-to-use and beautifully styled from Sony — at our low Crutchfield price. List Price: \$229.95.

**FEATURES:** Auto reverse, three band step equalizer, stereo and center tune indicators, ignition noise suppressor (INS), fader, high filter, tape equalization, stereo/mono switch

**SPECIFICATIONS:** Power output: 4.9 watts per channel; usable sensitivity: 15 dBf; stereo separation: 30 dB; tape signal to noise ratio: 56 dB; wow and flutter: .2%; chassis size designation: A

#158XR25 **OUR PRICE: \$189**





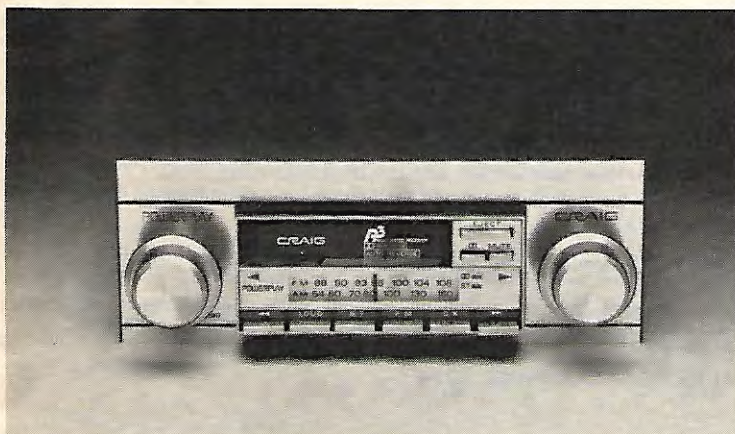
## Pioneer KP-6500

Extensive field testing and laboratory analysis by Crutchfield experts have confirmed that Pioneer's new Supertuner II® is a major breakthrough in automotive tuner technology. As the FM signal fluctuates in strength, Supertuner II® *gradually* changes from stereo to mono and an automatic high cut filter will *gradually* attenuate the high frequencies where most noise problems exist. If you are primarily interested in tuner performance, the KP-6500 is your best bet in this price range. List Price: \$219.95.

**FEATURES:** Supertuner II®, pushbutton tuning, pulse noise suppression (PNS), loudness control, permalloy tape head, front/rear fader, tuner on/off switch, locking fast forward and rewind.

**SPECIFICATIONS:** Power output: 5.0 watts per channel; usable sensitivity: 16.8 dBf; stereo separation: 45 dB; tape signal to noise ratio: 45 dB; wow and flutter: .28%; chassis size designation: C.

#130KP6500 **OUR PRICE: \$189**



## Craig T692

In the world of car stereo you won't find a better value than this new Road Rated receiver from Craig. Tape fanatics will appreciate the hands free convenience of auto reverse and the hiss free Dolby NR playback response. The built-in Power Play amp, enhanced with separate bass and treble controls, will make your speakers stand up and salute. List Price: \$249.95.

**FEATURES:** Auto reverse, Dolby NR, separate bass and treble, fader, FM muting, loudness, preamp output.

**SPECIFICATIONS:** Power output: 13.6 watts per channel; usable sensitivity: 20 dBf; stereo separation: 30 dB; tape signal to noise ratio: 57 dB; wow and flutter: .15%; chassis size designation: A.

#030T692 **OUR PRICE: \$199**



## Concord HPL-101

Elegant styling and a "no nonsense" approach characterize the Concord HPL-101. Efficient design features yield a high performance/low cost receiver that never fails to please. If you are looking for quality and expandability but have a limited budget, look no further — this unit may be the single best value in this Buyer's Guide. Call now for more information and advice! List Price: \$249.95.

**FEATURES:** Sendust alloy tape head, separate bass and treble, preamp outputs, loudness switch, tape EQ switch, auto eject, locking fast forward and rewind, compact chassis.

**SPECIFICATIONS:** Power output: 5.0 watts per channel; usable sensitivity: 11.2 dBf; stereo separation: 35 dB; tape signal to noise ratio: 48 dB; wow and flutter: .08%; chassis size designation: A.

#240HPL101 **OUR PRICE: \$199**



## Jensen R406

The amazing R406 incorporates important convenience features in a small chassis. All too often, first time buyers wish their stereo were a bit easier to use after they get to know it intimately. Freedom from distraction is very important in all driving situations and the R406 has auto reverse and pushbutton tuning to provide that freedom. In addition, the R406 offers true high fidelity features for state of the art performance. This is the Jensen you've been waiting for. List Price: \$289.95.

**FEATURES:** Auto reverse, pushbutton tuning, bass, treble and loudness, stereo/mono switch, FM mute switch, sendust tape head, fader, LED function indicators.

**SPECIFICATIONS:** Power output: 4.8 watts per channel; usable sensitivity: 14.8 dBf; stereo separation: 30 dB; tape signal to noise ratio: 50 dB; wow and flutter: .15%; chassis size designation: C.

#110R406 **OUR PRICE: \$219**





## Marantz CAR-322

In the world of car stereo Marantz receivers are legendary performers. Their Interference Management System helps you deal effectively with weak signal problems when most other car stereos would give up the ghost. The handsome black and gold finish will complement the interior of your fine automobile and also give you a brilliant easy to read dial. List Price: \$250.00.

**FEATURES:** Dolby NR, auto reverse, separate bass and treble tape equalization, fader, FM muting, auto blend

**SPECIFICATIONS:** Power output: 6 watts per channel; usable sensitivity: 14.7 dBf; stereo separation: 34 dB; tape signal to noise ratio: 60 dB; wow and flutter: .15%; chassis size designation: A

#200CAR322 **OUR PRICE: \$219**



## Pioneer KP-7500

This unit's tape performance will please any audiophile, though the KP-7500's real beauty lies in the way it cares for your valuable cassettes. ATSC totally eliminates tape jamming and "chewing" resulting from loosely wound cassettes while superb sound quality is assured by Dolby NR, tape equalization and the hard permalloy head. Put this Pioneer in your dash and it will stay there for a long time to come. List Price: \$259.95.

**FEATURES:** Auto reverse, ATSC, Dolby NR for tape, metal/chrome tape switch, pulse noise suppression (PNS), loudness switch, permalloy tape head, Supertuner II\*

**SPECIFICATIONS:** Power output: 5.6 watts per channel; usable sensitivity: 16.8 dBf; stereo separation: 45 dB; tape signal to noise ratio: 53 dB; wow and flutter: .20%; chassis size designation: C

#130KP7500 **OUR PRICE: \$224**



## Concord HPL-112

The HPL-112 really delivers for consumers who demand more value for their money. Where else can all the features needed for superior tape reproduction, a sensitive tuner and the famous Concord quality be found for this remarkably low price? Easily expandable, the HPL-112 offers compatibility with a large variety of main amps and equalizer/boosters for top of the line sound. Why put just a radio in your dash when you can install prestige - Concord. List Price: \$279.95.

**FEATURES:** Sendust alloy tape head, Dolby NR on tape, tape EQ switch, separate bass and treble, loudness switch, preamp outputs, black satin finish, auto eject

**SPECIFICATIONS:** Power output: 5.0 watts per channel; usable sensitivity: 11.2 dBf; stereo separation: 35 dB; best tape signal to noise ratio: 56 dB; wow and flutter: .08%; chassis size designation: A

#240HPL112 **OUR PRICE: \$224**



## Craig T619

Your friends will think you paid lots more than our low Crutchfield price when they hear your T619. Superb tape quality derived from audiophile functions satisfies the performance conscious consumer and the tuner pulls in your favorite stations with amazing clarity. The powerful internal amplifier is ready to drive four speakers to thrilling sound levels, enhanced by bass, treble and fader controls. The best part is it fits many compact cars. List Price: \$279.95.

**FEATURES:** Auto reverse, electronic search and play (ESP), Dolby NR. Metal/CrO<sub>2</sub> tape EQ, bass and treble controls, fader, loudness switch, stereo/mono, local/distance switches

**SPECIFICATIONS:** Power output: 13.6 watts per channel; usable sensitivity: 18.8 dBf; stereo separation: 32 dB; best tape signal to noise ratio: 60 dB; wow and flutter: .18%; chassis size designation: A

#030T619 **OUR PRICE: \$229**



## Road Test:



# Sony and Altec Put Smoke in the Firebird

**VEHICLE:** 1978 Pontiac Firebird Trans Am

**SYSTEM COMPONENTS:**

Sony XR-70B in-dash component  
Sony XE-9 nine band equalizer  
Sony XM-55 28 watt component amp  
Sony XM-25 8 watt component amp  
Altec 6x94B two-way 6x9 speakers  
Altec SW-1 power bass module

Total cost: approximately \$1,000  
including accessories

Selecting speakers for the '78 Firebird Trans Am can be a frustrating experience if you expect the ordinary. Your first surprise is that your door panels are off limits, thanks to your power window motors. What's more, your dash won't accommodate speakers either. So the one option that remains is to take full advantage of your spacious rear deck.

Factory cutouts on either side of the rear deck make a nest for the new Altec 6x94Bs. It requires major surgery, but Altec's SW-1 subwoofer fits nicely in the center of the rear deck. The combination sounds simply awesome.

To drive this impressive array of loudspeakers we chose a combination of Sony components. The sleek XR-70B goes in the dash. One of the XR-70B's DIN outputs connects to the XE-9B which in turn connects to the XM-55 to drive the 6x94Bs. The second DIN output feeds the XM-25, a small amp used only to provide sufficient input voltage for the Altec SW-1 subwoofer amplifier.







## Sony XR-35

This new Sony looks right at home in many cars, and brings the sound of home with you wherever you drive. Dolby noise reduction reveals the best of your tapes — you can even use the metal formulations! The tuner is simple to operate and brings in stations with a clarity that thrills music lovers. A unique three band step equalizer allows optimal acoustic performance in challenging environments. Sony's XR-35...a hot performer that looks cool. List Price: \$279.95.

**FEATURES:** Auto reverse, Dolby NR, tape equalization, three band step equalizer, stereo and center tune indicators, stereo/mono switch, ignition noise suppressor (INS), fader

**SPECIFICATIONS:** Power output: 5.1 watts per channel; usable sensitivity: 15 dBf; stereo separation: 30 dB; tape signal to noise ratio: 64 dB; wow and flutter: .2%; chassis size designation: A

#158XR35 OUR PRICE: \$234



## Clarion 5700R

For those who want maximum FM performance and convenience Clarion designed the new 5700R. Quartz locked FM with 10 station memory, scan tuning and Magi-Tune provides interference free, hands-off radio pleasure. The reliable tape section is metal compatible. The loudness control boosts bass response at low volume for more life like sound. The bass boost is automatically reduced at higher volume to avoid distortion.. List price: \$339.00.

**FEATURES:** Electronic scan tuning, 10 station memory tuning, Magi-tune FM, FM noise canceller, digital clock, loudness, fader, metal tape equalization

**SPECIFICATIONS:** Power output: 5 watts per channel; Usable sensitivity: 12 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 56 dB; Wow and flutter: .25%; Chassis size designation: A

#0205700R OUR PRICE: \$239



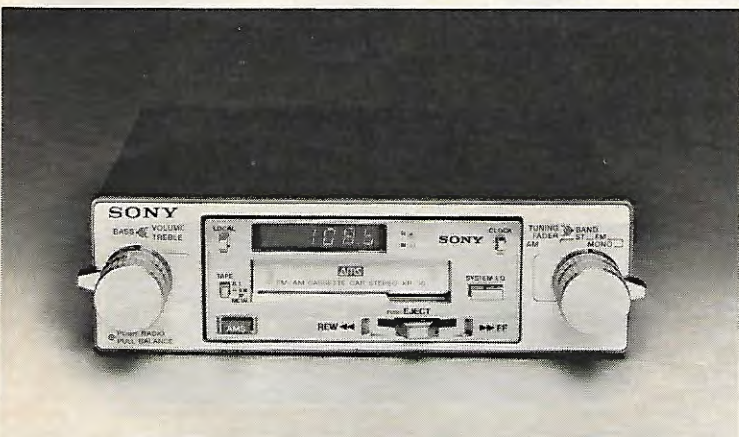
## Blaupunkt CR-2002

The new Blaupunkt CR-2002 represents a fantastic value in car stereo yet its features place it in the category of units costing much more. You'll appreciate the illuminated controls during nighttime operation, and the excellent tape section will reproduce your favorite listening material as never before. Your CR-2002 will grow with your needs as preamp DIN outputs allow connection of a four channel Blaupunkt amplifier, resulting in the sound experience Blaupunkt is famous for. List Price: \$290.00.

**FEATURES:** Night illumination, locking fast forward and reverse, separate bass and treble, tape equalization, auto reverse, Dolby NR, ASU FM noise suppression

**SPECIFICATIONS:** Power output: 5.2 watts per channel; usable sensitivity: 14.1 dBf; stereo separation: 38 dB; tape signal to noise ratio: 61 dB; wow and flutter: .15%; chassis size designation: A

#170CR2002 OUR PRICE: \$249



## Sony XR-50

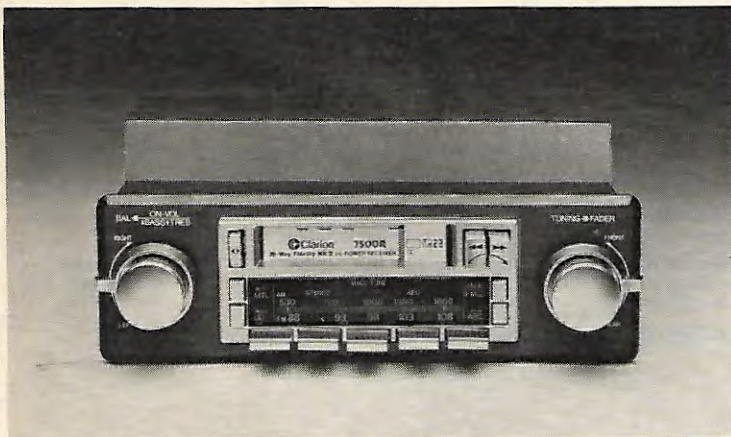
The superb performance of the XR-50 reflects Sony's vast experience in audio technology. No one else gives you a center tuning indicator or system equalization, which boosts bass by 5 dB at 125 Hz and treble by 3 dB at 10kHz. The fader balances the output of the built-in amp with the preamp output. AMS finds the songs you want to hear in the fast forward or rewind mode. List price: \$309.95.

**FEATURES:** Digital clock, center tuning indicator, tape equalization, system equalization, automatic music sensor, bass and treble controls, preamp output, preamp fader

**SPECIFICATIONS:** Power output: 5.2 watts per channel; Usable sensitivity: 14.0 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 52 dB; Wow and flutter: .12%; Chassis size designation: C

#158XR50 OUR PRICE: \$249





## Clarion 7500R

Clarion sets a new standard value in car stereo with the new 7500R. You get a high powered AM/FM cassette receiver loaded with features and Hi-way Fidelity performance specifications at a very competitive price. A full two year warranty from Clarion is your assurance of good reliability.. List price: \$359.00.

**FEATURES:** Auto reverse, pushbutton tuning, Magi-tune FM, FM noise canceller, separate bass and treble, ultra permalloy head, automatic program control, Dolby NR, metal tape equalization, equalizer jack, fader, power antenna lead

**SPECIFICATIONS:** Power output: 12 watts per channel; Usable sensitivity: 12 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 65 dB; Wow and flutter: .13%; Chassis size designation: D

#0207500R **OUR PRICE: \$249**



## Pioneer KE-5100

The new KE-5100 features Pioneer's best FM tuner ever with Supertuner II® dynamic FM signal processing circuitry plus scan tuning and 15 station soft touch pushbutton tuning, the built in PNS noise suppression system works wonders in certain inherently noisy automobiles. The loudness control gives you better fidelity at low volume levels. The built in fader control lets you balance the sound from front to rear when four speakers are used. List price: \$299.95.

**FEATURES:** Seek and scan tuning, 15 station preset tuning, digital clock, mono/stereo switch, loudness, fader, built in PNS noise suppression.

**SPECIFICATIONS:** Usable sensitivity: 16.8 dBf; Tape signal to noise ratio: 52 dB; Wow and flutter: .15%; Chassis size designation: C

#130KE5100 **OUR PRICE: \$254**



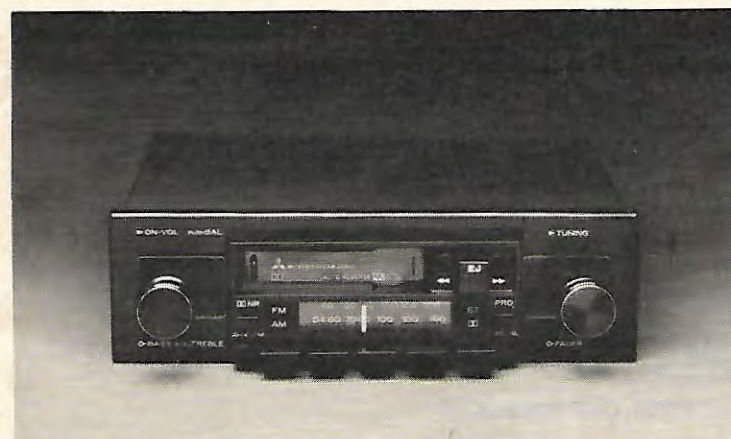
## Sony XR-50B

Most of today's popular automobiles have black dashboards. So due to popular demand Sony is now manufacturing the fantastic XR-50B in black. The XR-50B has the same features and the same great performance as the original XR-50. Now you have a choice of colors. Select the Sony that suits your style. List price: \$329.95.

**FEATURES:** Digital clock, center tuning indicator, tape equalization, system equipment, automatic music sensor, bass and treble controls, preamp output, preamp fader

**SPECIFICATIONS:** Power output: 5.2 watts per channel; Usable sensitivity: 14.0 dBf; Stereo separation: 35 dB; Tape signal to noise ratio: 52dB; Wow and flutter: .12%; Chassis size designation: C

#269XR50B **OUR PRICE: \$269**



## Mitsubishi RX-791

Jet black with just the right gleaming accents, the RX-791 is a joy to behold. The uncluttered layout is engineered by people for people! Music is reproduced by the energetic amplifier with breathtaking realism, enhanced by independent bass and treble controls. Moreover, tape and tuner sections are both exemplary performers, sure to please and impress. From Mitsubishi, the rising star in autosound. List Price: \$349.95.

**FEATURES:** Pushbutton tuning, auto reverse, separate bass and treble, dolby NR, tape equalization, fader, auto blend, ignition noise killer

**SPECIFICATIONS:** Power output: 12 watts per channel; usable sensitivity: 22 dBf; stereo separation: 40 dB; tape signal to noise ratio: 57 dB; wow and flutter: .1%; chassis size designation: B

#124RX791 **OUR PRICE: \$269**





## Marantz CAR-340

The CAR-340 is one of the finest and most technologically advanced car stereo receivers on the market. You get all of the features you'll ever need plus one special feature we think you'll love. The continuous music system (CMS), allows you to hear the radio while your tape is in the rewind or fast forward mode. List Price: \$330.00.

**FEATURES:** Pushbutton tuning, Dolby NR, auto reverse, auto blend, continuous music system, separate bass and treble, tape equalization, fader, preamp output, FM muting

**SPECIFICATIONS:** Power output: 6 watts per channel; usable sensitivity: 14.7 dBf; stereo separation: 34 dB; tape signal to noise ratio: 60 dB; wow and flutter: .15%; chassis size designation: A

#200CAR340 OUR PRICE: \$279



## Blaupunkt CR-2001

The CR-2001 brings you pushbutton tuning, a Dolby NR circuit for tape and FM and a precision auto reverse tape mechanism. The sound quality of the CR-2001 is rich and can be further enhanced with the loudness switch. The satin black finish, the ultra smooth feel of the knobs and pushbuttons, the glowing LEDs that indicate function status...these all come together to give the CR-2001 that sense of quality that makes it an investment rather than a purchase. List Price: \$350.90.

**FEATURES:** Dolby NR on tape and FM, five station pushbutton tuning, muting, local/distance and mono/stereo switches, auto reverse, loudness, ASU automatic noise suppression, loudness contour switch, compact chassis

**SPECIFICATIONS:** Power output: 4.5 watts per channel; usable sensitivity: 15 dBf; stereo separation: 33 dB; tape signal to noise ratio: 60 dB; wow and flutter: .15%; chassis size designation: A

#170CR2001 OUR PRICE: \$289



## Concord HPL-115

The HPL-115 is the most popular Concord model we offer. It's no wonder, with three times the amp power of most car stereos the HPL-115 gives music a depth unattainable with only four watts. Loudness, separate bass and treble and selectable bass equalization frequency add up to custom tailored sound sure to please any taste. This model stays in great demand so don't delay; call us today. List Price: \$349.95.

**FEATURES:** Dolby NR on tape, selectable bass center frequency, sendust alloy head, metal compatible, stereo high blend, muting, convenient tuner on/off switch, high power amp

**SPECIFICATIONS:** Power output: 14 watts per channel; usable sensitivity: 11.2 dBf; stereo separation: 35 dB; tape signal to noise ratio: 56 dB; wow and flutter: .08%; chassis size designation: C

#240HPL115 OUR PRICE: \$284



## Sony XR-55

The XR-55 is a superior value featuring six station presets, an amplifier with formidable power, and an auto reverse cassette deck quieter than many home machines. Sony's exquisite design incorporates little touches that make this receiver a joy to hear and see. This single model is going to send other manufacturers back to the drawing board - but don't settle for followers. The XR-55 is the leader and you can order it today. List Price: \$359.95.

**FEATURES:** Pushbutton tuning, auto reverse, Dolby NR, tape equalization, bass, treble, and loudness controls, powerful amplifier, RCA preamp output jacks, ignition noise suppressor (INS)

**SPECIFICATIONS:** Power output: 12.4 watts per channel; usable sensitivity: 13 dBf; stereo separation: 30 dB; tape signal to noise ratio: 66 dB; wow and flutter: .12%; chassis size designation: B

#158XR55 OUR PRICE: \$299





## Concord HPL-118

You asked for it. You got it. A Concord car stereo receiver with pushbutton tuning. Now you can enjoy Concord's superb tape section without sacrificing the convenience you require in the tuner section. The preamp output level can be adjusted between 50 and 800 millivolts for compatability with a majority of the amplifiers on the market today. List Price: \$379.95.

**FEATURES:** Pushbutton tuning, Dolby NR, tape equalization, sen-alloy tape head, 3 band bass equalizer, mono/stereo switch, loudness, adjustable preamp output

**SPECIFICATIONS:** Power output: 14 watts per channel; usable sensitivity: 11.2 dBf; stereo separation: 35 dB; tape signal to noise ratio: 56 dB; wow and flutter: .08%; chassis size designation: B

#240HPL118 OUR PRICE: \$299



## Jensen RE518

With Jensen's new RE518 you get a good looking, feature packed receiver that fits almost any car on the road. The quartz crystal frequency synthesis tuner pulls in the stations with amazing accuracy and clarity. You get scan tuning, soft touch preset tuning, a digital clock and all of the important tape features. If you're looking for that rare combination of sophistication and reliability buy the RE518. List Price: \$399.95.

**FEATURES:** Scan tuning, preset tuning, digital clock, auto reverse, Dolby NR, tape equalization, bass and treble controls, front/rear fader, loudness

**SPECIFICATIONS:** Power output: 5.0 watts per channel; usable sensitivity: 14.8 dBf; stereo separation: 30 dB; best tape signal to noise ratio: 50 dB; wow and flutter: .12%; chassis size designation: A

#110RE518 OUR PRICE: \$329



## Blaupunkt CR-2010

The CR-2010, Blaupunkt's latest addition will provide you with state of the art performance. From the moment you slide in your favorite tape or softly press your favorite station button the CR-2010's four channel amplifier will envelop your listening environment with accurate, noise-free music. Night illumination of all controls insures safe operation during darkness while preamp outputs allow you to add on high power flexibility. List Price: \$396.00.

**FEATURES:** Night illumination, separate bass and treble controls, pushbutton tuning, sendust alloy head, auto reverse, four channel amplifier, Dolby NR on tape and tuner, ASU FM noise suppression unit

**SPECIFICATIONS:** Power output: 4 x 5.2 watts per channel; usable sensitivity: 14.1 dBf; stereo separation: 38 dB; tape signal to noise ratio: 65 dB; wow and flutter: .15%; chassis size designation: A

#170CR2010 OUR PRICE: \$329



## Blaupunkt CR-5001

The Blaupunkt CR-5001's unique design allow it to be installed through the front of the dash in the 7" x 2" D.I.N. opening found in many European cars. It comes with a separate amp that delivers fourteen watts to each of four speakers. All function indicators are well illuminated which means no more fumbling in the dark to find the right button. An optional five band passive equalizer, the BEA-50 is available for both the CR-5001 and CR-3001. List Price: \$450.00.

**FEATURES:** Auto reverse, five station pushbutton tuning, digital clock, Dolby NR on tape and FM, tape equalization, separate bass and treble, fits D.I.N. openings only

**SPECIFICATIONS:** Power output: 4 x 14 watts per channel; usable sensitivity: 10.7 dBf; stereo separation: 32 dB; tape signal to noise ratio: 58 dB; wow and flutter: .13%; chassis size designation: A

#170CR5001 OUR PRICE: \$369

#170BEA50 OUR PRICE: \$79





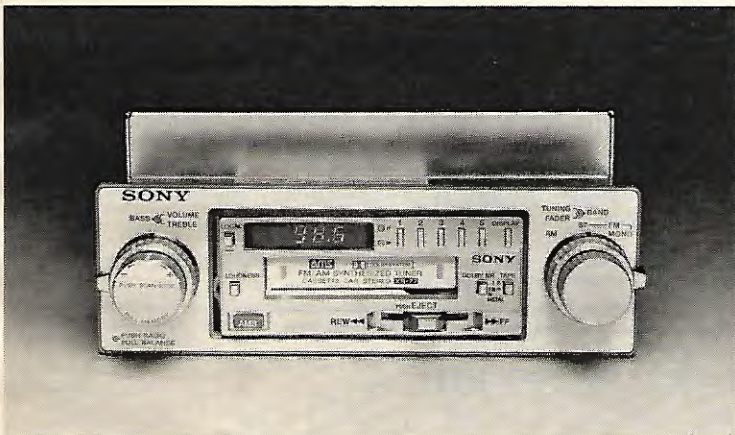
## Concord HPL-515

Hi-fi buffs love the features of the HPL-515. For instance, Dolby NR, tape EQ and the exclusive "X-cut" head produce unequalled tape quality, particularly when using metal formulations. A green display takes the guesswork out of tuning. And bass and treble controls bring your sound out of the powerful amplifier. All this and more add up to the Concord HPL-515; an exercise in engineering excellence. List Price: \$469.95.

**FEATURES:** Dolby NR on tape, switchable biampification, tape EQ switch, variable tape speed, powerful amplifier, variable bass and treble frequencies, quartz clock, loudness switch

**SPECIFICATIONS:** Power output: 14.0 watts per channel; usable sensitivity: 11.2 dBf; stereo separation: 35 dB; best tape signal to noise ratio: 56 dB; wow and flutter: .08%; chassis size designation: C

#240HPL515 **OUR PRICE: \$379**



## Sony XR-77

Sony in-dash receivers are the best you can buy. The XR-77 and its component counterpart the XR-70 feature state of the art quartz crystal frequency synthesis tuning. With the XR-77, you get a powerful built-in amplifier, preamp output and a fader that balances the inboard and outboard amps. AMS lets you skip forward to the next selection on the cassette or return to repeat the last selection by simply engaging rewind or fast forward. List Price: \$499.95.

**FEATURES:** Scan tuning, manual tuning in 100 kHz steps, ten station pushbutton tuning, automatic music sensor, separate bass and treble, Dolby NR, tape equalization, preamp output, loudness, FM muting, preamp fader

**SPECIFICATIONS:** Power output: 16 watts per channel; usable sensitivity: 13.0 dBf; stereo separation: 40 dB; tape signal to noise ratio: 66 dB; wow and flutter: .10%; chassis size designation: E

#158XR77 **OUR PRICE: \$419**



## Blaupunkt Berlin 8000

In the 1950s Blaupunkt introduced the first FM car radio to the U.S. In the 1970s, the first fully electronic car stereo. Now Blaupunkt introduces the Limited Edition Berlin, an AM/FM Stereo Cassette that looks and performs like no other in the world. The Berlin's unique dual-unit construction, winner of four industrial design awards, is a masterpiece of human engineering.

Unit One is the Operating Head. Mounted on a flexible stalk, it is a marvel of electronic miniaturization. Into a space the size of a cigarette pack, Blaupunkt engineers organized the most frequently used radio controls. By manipulating the flexible stalk, the Head can be adjusted in any direction to put these controls comfortably at your fingertips. No groping, no taking your eyes off the road.

Unit Two contains the Stereo Cassette Player and remaining sound modulation controls. One of these controls is a remarkable Blaupunkt innovation called SALS, an electronic sensor that automatically raises or lowers the volume to compensate for changes in interior or exterior noise levels. No other car stereo in the world is equipped with SALS. List price: \$1,450.00.

**FEATURES:** Seven electronic station presets, electronic signal scan, SALS (sound ambient level sensor), stereo/mono switch, automatic muting, AM/FM/SW/LW reception, ASU (automatic FM noise suppression circuit), auto reverse cassette, pushbutton locking fast forward and rewind, permalloy head, Dolby NR, separate bass & treble, separate fader and balance, cassette gain control, tape pause control, loudness contour control, tape bias compensation switch

**DIMENSIONS:** Control module 4 1/8" x 1 1/8" x 1 3/4"; Cassette unit 7 1/8" x 1 1/8" x 5 3/4"; Receiver unit 6 1/4" x 2" x 7"; Amplifier unit 6 1/2" x 1 3/4" x 4 1/4"

**SPECIFICATIONS:** Power output: 4x18 watts per channel; Usable sensitivity: 9.5 dBf; Stereo separation: 30 dB; Tape signal to noise ratio: 56 dB; Wow and flutter: .2%

#170BERLN2 **OUR PRICE: \$1099**

SHOWN ABOVE (left to right): The Berlin AM/FM/Cassette Unit, Amplifier Unit. AT RIGHT: The Control Module. NOT SHOWN: The Berlin remote mounted Receiver Unit.





# Stereo Radios, Eight-Tracks And Under-dash Stereos



## Clarion RE-436A STEREO RADIO

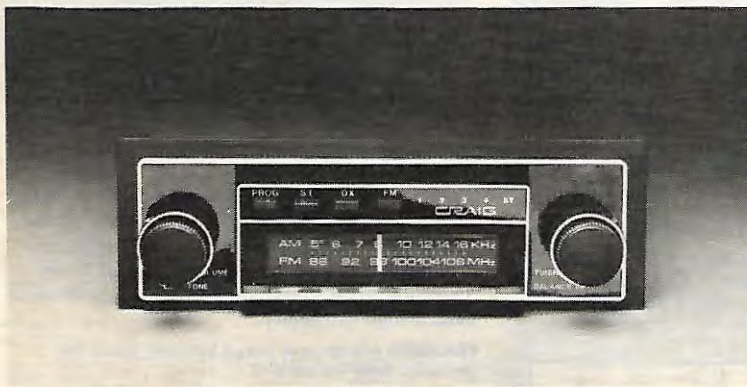
The RE-436A has an interchangeable nosepiece for Japanese imports or GM X-body cars. Either way it gives you a factory installed look in a performance oriented unit that costs less than the original equipment. List price: \$109.00.

**MAJOR FEATURES:** Five station pushbutton tuning, fader control, local distance switch, warranty: B

**MAJOR SPECIFICATIONS:** Power output: 4.2 watts per channel; usable sensitivity: 15.0 dBf; stereo separation: 30 dB

**DIMENSIONS:** Chassis: 6 $\frac{3}{4}$  x 2 x 4 $\frac{1}{2}$ ; Nosepiece: 3 $\frac{3}{4}$  x 1 $\frac{1}{2}$ ; Shaft spacing: 4 $\frac{7}{8}$ -5 $\frac{1}{8}$ ; Chassis size designation: M

#020RE436A OUR PRICE: \$79



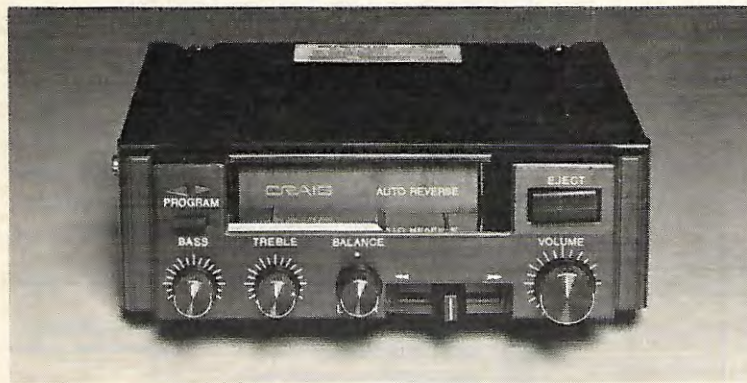
## Craig S611 EIGHT-TRACK RECEIVER

Here's inexpensive eight track entertainment at its best. You get separate local/distance and mono/stereo pushbuttons adjust the radio to handle varying reception conditions. You also get illuminated stereo and program indicators. List price: \$89.95.

**MAJOR FEATURES:** Automatic or manual program change, mono/stereo, local/distance

**MAJOR SPECIFICATIONS:** Power output: 5 watts per channel; usable sensitivity: 19.9 dBf; stereo separation: 25 dB; tape signal to noise ratio: 52 dB; wow and flutter: .15%; chassis size designation: A

#030S611 OUR PRICE: \$84



## Craig T103 UNDER-DASH CASSETTE DECK

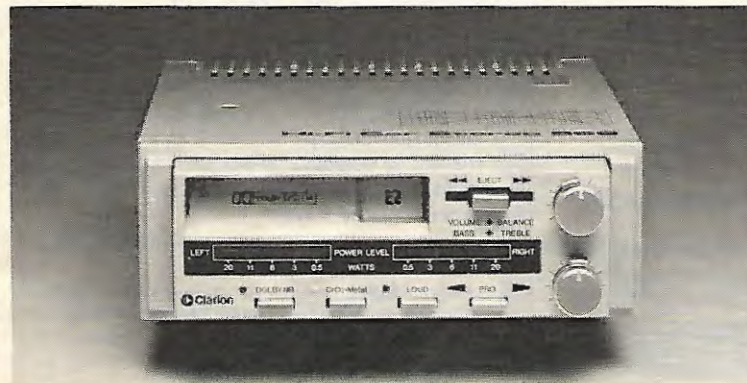
Don't get stuck paying money for an inferior factory cassette tape deck when you can get the phenomenal Craig T103. It'll fit directly in the dash of the new Japanese imports. List price: \$109.95.

**MAJOR FEATURES:** Auto reverse, separate bass and treble, locking fast forward and rewind, warranty: C

**MAJOR SPECIFICATIONS:** Power output: 4.0 watts per channel; best tape signal to noise ratio: 50 dB; wow and flutter: .15%

**DIMENSIONS:** 5 $\frac{1}{2}$  x 1 $\frac{1}{4}$  x 6

#030T103 OUR PRICE: \$99



## Clarion PE-869A UNDER-DASH CASSETTE DECK

Japanese import car owners who appreciate high fidelity tape reproduction will love the PE-869A. None of the in-dash AM/FM cassette stereos designed for these cars delivers its features or performance. It comes with a special trim plate for in-dash installation in the Japanese cars and an underdash bracket for other cars. List price: \$289.95.

**MAJOR FEATURES:** High power, Dolby NR, tape equalization, loudness, auto reverse and L.E.D. power level indicators

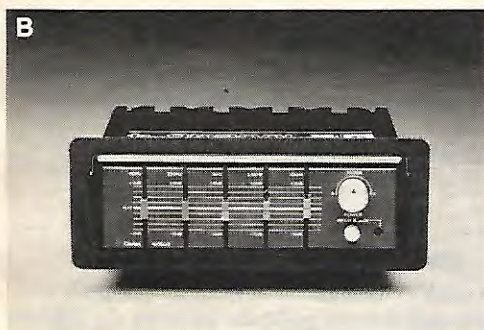
**MAJOR SPECIFICATIONS:** Power output: 12 watts per channel; best tape signal to noise ratio: 53 dB; wow and flutter: .09%

**DIMENSIONS:** 5 $\frac{1}{2}$  x 2 x 7 $\frac{1}{4}$

#020PE869A OUR PRICE: \$189

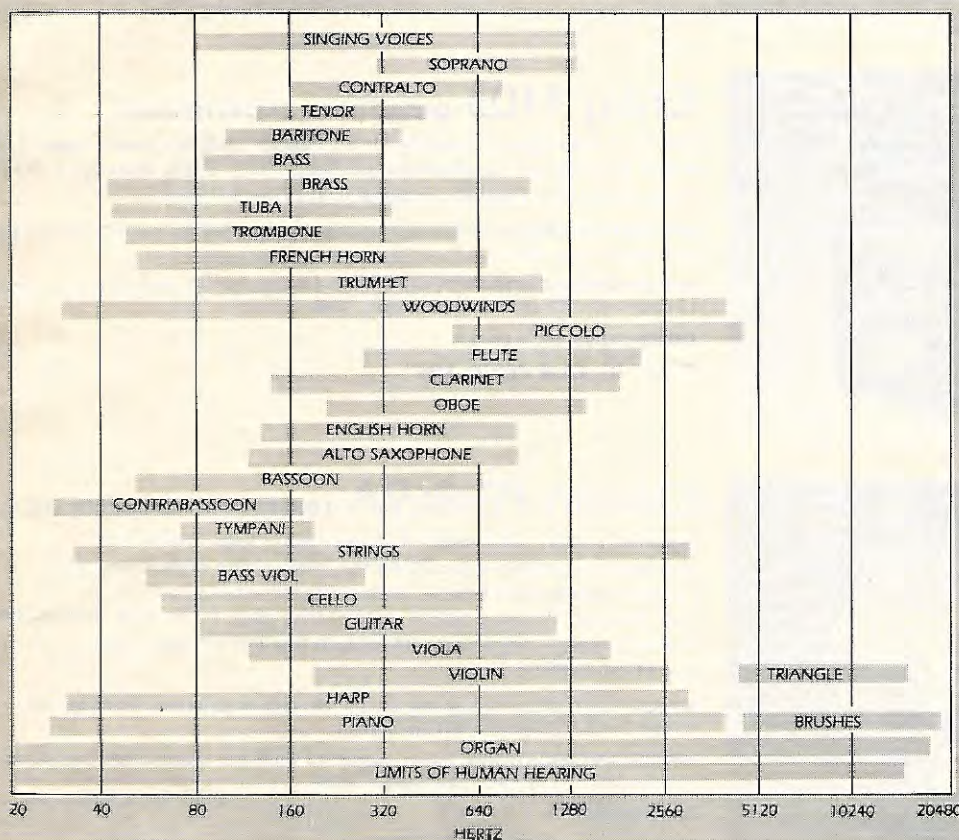


# Equalizer/Boosters



There are numerous advantages offered by expanding your system with an equalizer/booster. This one component can reduce distortion at high sound pressure levels, compensate for poor frequency response, increase dynamic range, eliminate noise from FM reception and much more. There

are two parts to an equalizer/booster. The booster is an amplifier which increases the power available to produce sound. The equalizer enables one to put the power in the frequencies which are deficient and take it away from frequencies that are overbearing.



## A Magnadyne EQ-43B

The Magnadyne EQ-43B is one great bargain. You get four channels of amplification, seven bands of equalization, a 28 segment tricolor power meter, fader and preamp input jacks. Thermal protection and short circuit protection insure high reliability.

**FEATURES:** preamp input jacks, LED power meter, full protection, fader; warranty: C

**SPECIFICATIONS:** Power output (channels x watts): 4 x 12; signal to noise ratio: 76 dB; preamp input sensitivity: .3v

**DIMENSIONS:** 6 1/4 x 1 1/2 x 4 1/4

#134EQ43B **OUR PRICE: \$69**

## B Clarion 100EQB-4

Clarion invented the booster amp/equalizer combination, and their three models are easily our best sellers. The 100EQB-4 is the budget unit, great where big power isn't necessary. List price: \$99.95.

**FEATURES:** Fader, power on/off switch, comes with faceplate for Japanese cars; warranty: B

**SPECIFICATIONS:** Input sensitivity: 3.5 v; Power (channels x watts): 2x15; Signal to noise ratio: 75 dB; Speaker load: 4 ohms

**DIMENSIONS:** 5 1/2 x 1 1/2 x 5 1/4

#020100EQB **OUR PRICE: \$74**

## C Magnadyne EQ-50B

Unique among equalizer/boosters, the Magnadyne EQ-50B is a dual channel, five band, four channel unit with an adjustable tricolor 28 segment power meter, preamp input jacks, thermal protection, short circuit protection and a fader.

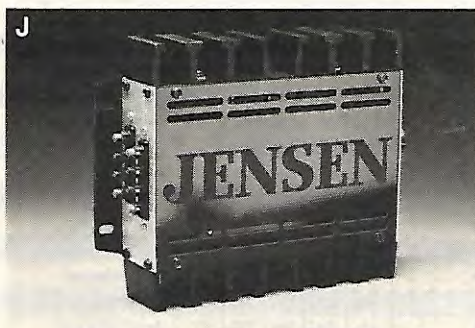
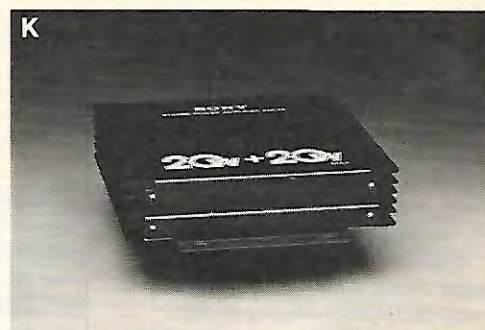
**FEATURES:** preamp input jacks, LED power meter, fader, full protection; warranty: C

**SPECIFICATIONS:** Power output: channels x watts: 4 x 24; signal to noise ratio: 76 dB; preamp input sensitivity: .3v

**DIMENSIONS:** 6 1/4 x 1 1/2 x 5 1/4

#134EQ50B **OUR PRICE: \$99**





## D Clarion 150EQB

This new equalizer/booster from Clarion offers four channels to drive four speakers. Four four ohm speakers can be safely used and separate amps for each speaker mean precise bass response. LED indicators in each slide control make it easy to assess and adjust your equalization curve. List price: \$159.95.

**FEATURES:** Five bands of E.Q., front/rear fader, four channel amplifier, preamp input jacks; warranty: B

**SPECIFICATIONS:** Input sensitivity: .3v preamp, 2.5v speaker level; Power output: 4x15 watts per channel; signal to noise ratio: 84 dB

**DIMENSIONS:** 5½ x 2½ x 6

#020150EQB **OUR PRICE: \$114**

## E Marantz SA-250

A magnificent little equalizer/booster from Marantz, the seven band equalization section gives you more control over the sound spectrum than any other of our units. List price: \$170.00

**FEATURES:** Fader, preamp inputs, preamp output, LED level meters, auto on/off, warranty: C

**SPECIFICATIONS:** Input sensitivity: 2.5 v; Preamp input sensitivity: .35 v; Power (channels x watts): 2x14; Signal to noise ratio: 92 dB; Speaker load: 2 ohms; preamp output level: 500 mV

**DIMENSIONS:** 6¾ x 2½ x 5¾

#200SA250 **OUR PRICE: \$119**

## F Blaupunkt BEA-150

The BEA-150 gives you five bands of equalization, four channels of amplification, an equalizer bypass switch, and a built-in fader control. Night illumination too! List price: \$170.00

**FEATURES:** Fader, tone defeat, compact size; warranty: B

**SPECIFICATIONS:** Power output (channels x watts): 4 x 16; signal to noise ratio: 84 dB; input sensitivity: 2.5v

**DIMENSIONS:** 5½ x 1½ x 5½

#170BEA150 **OUR PRICE: \$144**

## G Clarion 300EQB-4

The all-time best selling equalizer/booster, this improved version gives you complete control over your acoustic environment, as well as providing enough power to drive any of our speakers to realistic and clean sound levels. List price: \$199.95.

**FEATURES:** Fader, power on/off switch, LED readouts for power output, peak indicator, warranty: B

**SPECIFICATIONS:** Input sensitivity: 3.5 v; Preamp input sensitivity: 350mv; Power (channels x watts): 2x33; Signal to noise ratio: 75 dB; Speaker load: 4 ohms

**DIMENSIONS:** 6¼x1½x6¼

#020300EQB3 **OUR PRICE: \$147**

## H Sony XM-E7

The XM-E7 features Sony DIN, RCA and speaker level inputs with adjustable gain. You also get preamp outputs and a bass drive switch that directs frequencies below 100 Hz to the preamp output jacks for a subwoofer amp. List price: \$199.95

**FEATURES:** 7 bands of equalization, EQ defeat, subsonic filter, left and right channel fader that also works as a dual amp balancer; warranty: B

**SPECIFICATIONS:** Power output (channels x watts): 2 x 19.2; signal to noise ratio: 84 dB; speaker load: 2 ohms; input sensitivity: .2v-3.5v

**DIMENSIONS:** 5½ x 1¾ x 6

#156XME7 **OUR PRICE: \$169**

## I Pioneer BP-320

The BP-320 is a versatile power booster that fits practically anywhere and is a breeze to install. If your receiver has bass and treble, this gives you big sound at a small price.

**FEATURES:** Compact, automatic on/off, efficient circuitry, modern styling, warranty: B

**SPECIFICATIONS:** Input sensitivity: 2.0 v; Power (channels x watts): 2x16; Signal to noise ratio: 86 dB; Speaker load: 4 ohms

**DIMENSIONS:** 4¾ x 2 x 6

#130BP320 **OUR PRICE: \$64**

## J Jensen A30

The A30 is ideal for applications that require uncompromising reproduction and flexibility. Full protection is provided against input and output overload and short circuits or reversed polarity. List price: \$99.95.

**FEATURES:** Push terminals for input and output, extra long 12V+ wire, automatic power switching

**SPECIFICATIONS:** Power output: 13.6 watts per channel; signal to noise ratio: 80 dB; input sensitivity: .5V

**DIMENSIONS:** 8¾ x 2¼ x 7¼

#110JA30 **OUR PRICE: \$69**  
**while they last!**

## K Sony XM-45

This compact, cool running, black beauty can be used as a booster or a main amp with in-dash receivers featuring RCA output jacks. Adds a new dimension to the quality of sound in your automobile. List price: \$99.95

**FEATURES:** Preamp inputs, compact chassis

**SPECIFICATIONS:** Power output: 12 watts per channel; signal to noise ratio: 78 dB; preamp input sensitivity: 100 mV

**DIMENSIONS:** 5½ x 1¾ x 5¼

#158XM45 **OUR PRICE: \$79**

## L Visam A451

Versatility and clean power are the most important attributes of the A451. This compact unit functions as a main amp or a power booster. When you examine dollars to watts you'll discover the A451 is an extraordinary value. List price: \$149.95

**FEATURES:** built-in noise filter switch, preamp inputs, large heat sinks; warranty: B

**SPECIFICATIONS:** Power output (channels x watts): 2 x 40 watts per channel; Signal to noise ratio: 83 dB

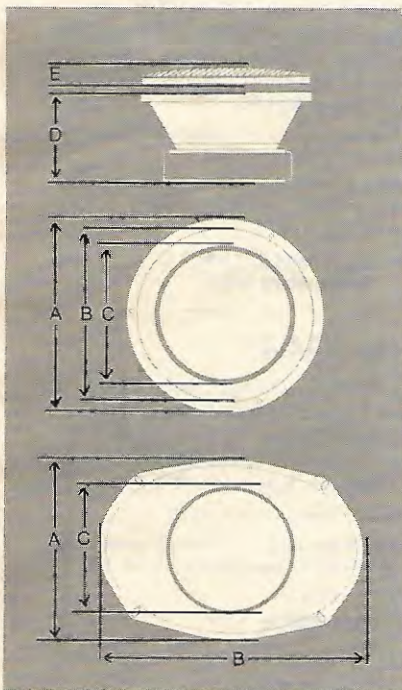
**DIMENSIONS:** 2¾ x 6¼ x 6½

#235A451 **OUR PRICE: \$119**



# Speakers

Consult our Installation Applications Guide on pages 8-11. Information for your car concerning speaker size, location possibilities and necessary modifications will be found there. With this knowledge it is simple to narrow the range of models for consideration. For example, if our chart calls for 4" speaker in your door, then all larger models should be dismissed. Next, the compatibility of the amplifier and the speaker should be considered. Compare the output power of the amplifier to the upper recommended power range of the speakers. The amplifier power should not exceed the speaker rating although the speaker rating may be greater than the amplifier power. In other words, 30 watts of power would match well with a speaker with a recommended power range of 4-45 watts. However, a speaker rated from 4-15 watts would be overtaxed if matched with an amplifier producing 100 watts.

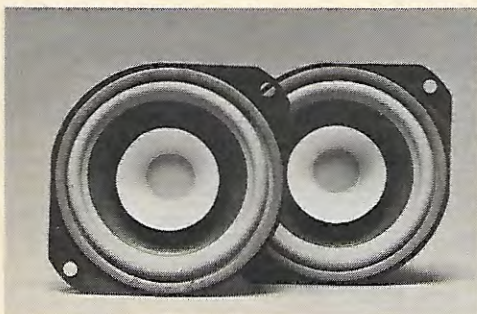


- A Maximum outside dimension or diameter (flush mount speakers). Minimum outside dimension (rear deck speakers)
- B Cutout diameter required for flush mounting (flush mount speakers). Maximum outside dimension (rear deck speakers).
- C Magnet diameter of largest speaker.
- D Rear clearance required
- E Grill depth

	DIMENSIONS (SEE DIAGRAM)					SPECIFICATIONS				GENERAL		
	A	B	C	D	E	Size Design Features	Frequency Response Manufacturer's Figure Is Shown	Recommended Power Range (RMS watts)	Impedance (ohms)	Warranty	List Price	Our Price
Altec 4A	6 1/4"	9 1/4"	5 1/4"	1 1/4"	2	6x9" two-way	80-18,000	4-40	4	1 year	\$169.95	\$124
Altec 4B	6 3/8"	9 1/4"	4 3/4"	2	2	6x9" two-way	60-18,000	12-70	4	1 year	\$239.95	\$169
Altec 4C	6 3/8"	9 3/4"	3 3/4"	3 3/4"	1	6x9" two-way	90-16,000	4-40	4	1 year	\$119.95	\$ 89
Altec SK-1	5 1/2"	4 3/4"	3 1/2"	1 1/4"	1/2	5 1/4" full range	100-10,000	4-35	4	1 year	\$112.95	\$ 89
Altec SK-2	5 1/2"	5	3 3/4"	2	1	5 1/4" two-way	100-18,000	4-50	4	1 year	\$119.95	\$ 99
Altec SW-1	6 1/4"	9 1/4"	5 1/2"	2 1/2"	2	6x9" subwoofer	50-150	35	2	1 year	\$239.95	\$189
Altec TK-1	3 1/2"	2	1 1/4"	1 1/4"	1/2	3" tweeter	5,000-18,000	4-20	4	1 year	\$ 79.95	\$ 59
Clarion SD520	5 1/4"	4 1/4"	3 1/4"	1 1/4"	1/2	5 1/4" coaxial	n/a	4-30	4	1 year	\$ 59.00	\$ 44
Clarion SD630	6 1/4"	5 1/4"	3 3/4"	2 1/4"	1/2	6 1/2" three-way	n/a	4-50	4	1 year	\$109.95	\$ 74
Clarion SD970	6 1/2"	9 3/4"	4 3/4"	3 3/4"	1	6x9" coaxial	n/a	4-50	4	1 year	\$ 89.00	\$ 89
Clarion SD980	6 1/2"	9 3/4"	4 3/4"	3 3/4"	1	6x9" three-way	n/a	4-60	4	1 year	\$119.00	\$ 89
Clarion SD1000	6 1/2"	9	3 3/4"	3 3/4"	1/2	6x9" three-way	n/a	4-75	4	1 year	\$189.00	\$129
Concord HPS-152	5 1/4"	4 1/4"	2 3/4"	1 1/4"	1/2	5" coaxial	50-17,000	4-30	4	1 year	\$ 89.95	\$ 49
Concord HPS-266	6 1/4"	5 1/4"	4	2 1/4"	1/2	6 1/2" coaxial	40-20,000	10-80	4	1 year	\$139.95	\$ 99
Jensen J1065	6 3/8"	9 1/4"	3 1/2"	3 3/4"	3/4	6x9" triaxial	40-20,000	4-45	4	1 year	\$129.95	\$ 89
Jensen J1069	6 3/8"	9 3/4"	3 1/2"	3 3/4"	3/4	6x9" coaxial	40-18,000	4-45	4	1 year	\$ 84.95	\$ 59
Jensen J1077	5 1/4"	4 3/4"	3 3/4"	2 3/4"	1/2	5 1/4" two-way	60-18,000	4-35	4	1 year	\$ 79.95	\$ 54
Jensen J1093	4 1/4"	4 1/4"	3 3/4"	1 1/4"	3/4	4 1/2" coaxial	65-18,000	4-35	4	1 year	\$ 71.95	\$ 49
Jensen J1101	4 1/4"	10 3/4"	3 3/4"	3 3/4"	1/2	4x10" triaxial	40-20,000	4-45	4	1 year	\$129.95	\$ 89
Jensen J1105	4 1/4"	10 3/4"	3 3/4"	3 3/4"	1/2	4x10" coaxial	45-18,000	4-45	4	1 year	\$ 84.95	\$ 59
Jensen J1117	3 1/2"	3 1/4"	2 1/4"	1 1/4"	1/2	3 1/2" dual cone	80-12,000	4-12	8	1 year	\$ 32.95	\$ 24
Jensen J1134	4 1/4"	6 1/4"	2 1/4"	1 1/4"	1/2	4x6" dual cone	70-14,000	4-15	4	1 year	\$ 37.95	\$ 29
Jensen J1188	6 1/4"	5	3 3/4"	1 1/4"	3/4	6 1/2" coaxial	58-18,000	4-35	4	1 year	\$ 84.95	\$ 59
Jensen J1201	6 1/2"	5	4 1/4"	1 1/4"	3/4	6 1/2" coaxial	55-20,000	4-45	4	2 years	\$119.95	\$ 79
Jensen J1242	6 1/2"	9 1/4"	3 3/4"	3 3/4"	1/2	6x9" quadax, 4-way	40-20,000	4-45	4	1 year	\$159.95	\$109
Jensen J1279	6 1/2"	5	4 1/4"	1 1/4"	3/4	6 1/2" triaxial	52-40,000	4-75	4	2 years	\$149.95	\$ 99
Jensen J1283	4 1/4"	4 1/4"	2 1/4"	1 1/4"	3/4	4" full range	65-20,000	4-30	4	1 year	\$ 49.95	\$ 34
Jensen J1294	4 1/4"	6 1/4"	2 1/4"	1 1/4"	3/4	3 1/2" fits 4x6	1,700-24,000	4-70	4	2 years	\$ 54.95	\$ 39
Jensen J2033	6 3/8"	9 3/4"	4 3/4"	3 3/4"	1/2	6x9" triaxial	38-40,000	4-100	4	2 years	\$179.95	\$119
Jensen J2037	6 3/8"	9 3/4"	4 3/4"	3 3/4"	1/2	6x9" two-way	38-40,000	4-75	4	2 years	\$128.95	\$ 89
Jensen J2041	5 1/2"	4 3/4"	4 1/4"	2 1/4"	1	5 1/4" coaxial	58-40,000	4-75	4	2 years	\$ 99.95	\$ 69
Jensen J2126	4 3/4"	4 1/4"	4 1/4"	1 1/4"	1	4" coaxial	63-40,000	4-50	4	2 years	\$ 94.95	\$ 64
Jensen J2130	4 1/4"	10 1/4"	3 3/4"	3 3/4"	1/2	4x10" three-way	43-40,000	4-50	4	2 years	\$179.95	\$119
Matreco Domeplex 16	6 1/4"	5 1/4"	4 1/4"	3	1/2	6" coaxial	40-22,000	10-65	8	5 years	\$119.95	\$ 89
Matreco Domeplex 19	4 1/4"	10 3/4"	3 3/4"	3	1/2	4x10" coaxial	60-22,000	4-35	8	5 years	\$119.95	\$ 79
Matreco Domeplex 30	6 1/4"	9 1/4"	4 1/4"	4	1 1/2	6x9" two-way	40-20,000	12-75	8	5 years	\$139.95	\$ 99
Pioneer TS-87	3 1/2"	3	2 1/4"	1 1/4"	1/2	3 1/2" full range	100-18,000	4-20	4	1 year	\$ 29.95	\$ 25
Pioneer TS-106	4	3 3/4"	2 1/4"	1 1/4"	3/4	4" full range	50-16,000	4-20	4	1 year	\$ 49.95	\$ 35
Pioneer TS-107	5 1/4"	4 1/4"	3	1 1/4"	1/2	4" dual cone	50-20,000	4-15	4	1 year	\$ 54.95	\$ 39
Pioneer TS-108	5 1/4"	4 1/4"	3	1 1/4"	1/2	4" two-way	50-20,000	4-20	4	1 year	\$ 69.95	\$ 49
Pioneer TS-167	6 1/4"	4 3/4"	3 3/4"	2 1/4"	1/2	6 1/2" two-way	30-20,000	4-15	4	1 year	\$ 79.95	\$ 54
Pioneer TS-168	6 1/4"	5	3 3/4"	2 1/4"	1 1/2	6 1/2" three-way	35-20,000	4-40	4	1 year	\$124.95	\$ 84
Pioneer TS-411	4 1/4"	10 1/4"	3 3/4"	3 3/4"	1/2	4x10" coaxial	50-20,000	4-20	4	1 year	\$ 89.95	\$ 49
Pioneer TS-462	4 1/4"	6 1/4"	2 1/4"	1 1/4"	1/2	4x6" full range	60-20,000	4-15	4	1 year	\$ 49.95	\$ 35
Pioneer TS-585	5	8 3/4"	3 3/4"	3 3/4"	1 1/4	5x8" two-way	45-20,000	4-20	4	1 year	\$ 99.95	\$ 69
Pioneer TS-695	6 3/8"	9 1/4"	4 3/4"	3	1 1/2	6x9" three-way	30-20,000	4-40	4	1 year	\$149.95	\$ 99
Pioneer TS-698	6 3/8"	9 1/4"	4 3/4"	4	1	6x9" three-way	30-22,000	12-60	4	1 year	\$169.95	\$119
Pioneer TS-2000	8 1/4"	8 3/4"	4	3 1/4"	3 1/4"	8" fits 5 1/4" or 6x9"	30-21,000	4-60	4	1 year	\$199.95	\$139
Pioneer TS-M2	3 1/4"	4 1/4"	1 1/4"	1 1/4"	1/2	3" tweeter/crossover	450-20,000	4-15	4	1 year	\$ 49.95	\$ 37
Pioneer TS-M6	3	4 1/4"	1 1/4"	1 1/4"	1/2	3 1/2 + 1/2" mid/tweeter	450-20,000	4-20	4	1 year	\$ 99.95	\$ 69
Sony XS-63	6 3/8"	9 3/4"	4	3 3/4"	3/4	6x9" three-way	50-19,000	4-40	4	1 year	\$139.95	\$ 99
Sony XS-102	4 1/4"	3 3/4"	2 1/4"	1 1/4"	3/4	4" two-way	50-20,000	10-20	4	1 year	\$ 69.95	\$ 49
Sony XS-211S	5 1/4"	4 3/4"	2 1/4"	1	1 1/2	5 1/4" two-way	47-20,000	10-20	4	1 year	\$ 49.95	\$ 37
Sony XS-301	5 1/4"	4 3/4"	2 1/4"	1 1/4"	1 1/2	5" dual cone	80-18,000	4-25	4	1 year	\$ 89.95	\$ 69
Sony XS-613S	7 1/2"	6 1/4"	4 1/2"	1 1/4"	1 1/2	6" two-way	70-17,000	4-20	4	1 year	\$ 84.95	\$ 64
Visonik David 3200 BL	6 1/4"	4 3/4"	3	1 1/4"	1 1/2	6x9" three-way	60-22,000	12-45	4	1 year	\$150.00	\$119
Visonik David 4200 BL	4 3/4"	7 3/4"	3 3/4"	1 1/4"	2	4" + 1 two-way	85-22,000	4-30	4	1 year	\$180.00	\$159
Visonik W6920	6 3/8"	9 1/4"	4 3/4"	3 3/4"	1	6x9" vented woofer	40-3000	60	4	1 year	\$ 54.00	\$ 44
Visonik W620	6 3/8"	5 1/4"	4 3/4"	3	1/2	6" vented woofer	45-3500	60	4	1 year	\$ 54.00	\$ 44
Visonik M-55	5 1/4"	4 3/4"	2 1/4"	2 1/4"	1/2	5" sealed midrange	1100-6000	n/a	4	1 year	\$ 26.10	\$ 23
Visonik DT-12G	2 1/2"	1 1/4"	1 1/4"	1 1/4"	1/2	3" sealed tweeter	2500-18,000	n/a	4	1 year	\$ 13.30	\$ 12



## SPECIAL SIZE SPEAKERS

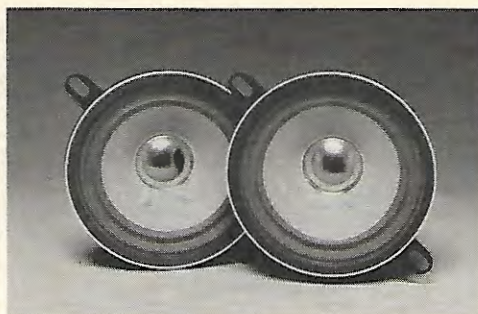


### Jensen J1117

It's easy and inexpensive to replace your 3 1/2" dash speakers with the J1117s. The use of a woofer cone in conjunction with an auxiliary high frequency cone delivers wide range sound at an affordable price. List price: \$32.95.

**IMPORTANT POINTS:** Recommended power range: 4-12 watts per channel; efficiency rating: medium; rear clearance: 1 1/2"; grills not included

#110J1117 **OUR PRICE: \$24/PAIR**

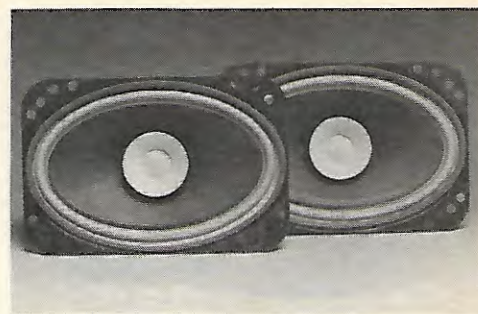


### Pioneer TS-87

Upgrade your system by replacing your dash speakers with 3 1/2" full range TS-87s. They include a height adjustment spacer (required for some cars). List price: \$29.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#130TS87 **OUR PRICE: \$25/PAIR**

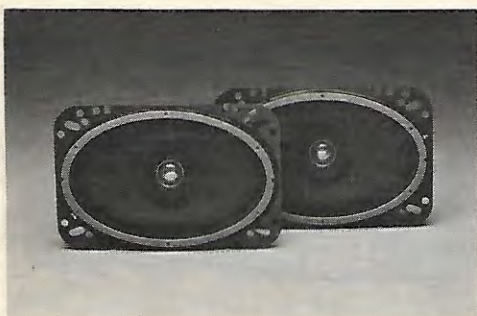


### Jensen J1134

The 4" x 6" J1134 is designed for the OEM spaces provided in many foreign and domestic automobiles. It's easy and affordable to have high fidelity sound and the "factory" look. List price: \$37.95.

**IMPORTANT POINTS:** Recommended power range: 4-15 watts per channel; efficiency rating: high; rear clearance: 1 3/4"; grills not included

#110J1134 **OUR PRICE: \$29/PAIR**



### Pioneer TS-462

Pioneer's TS-462 replaces 4 x 6 dash speakers with the best sound around. Find out what you're missing — order now for prompt delivery. List price: \$49.95.

**IMPORTANT POINTS:** Recommended power range: 4-15 watts; efficiency rating: high

#130TS462 **OUR PRICE: \$35/PAIR**

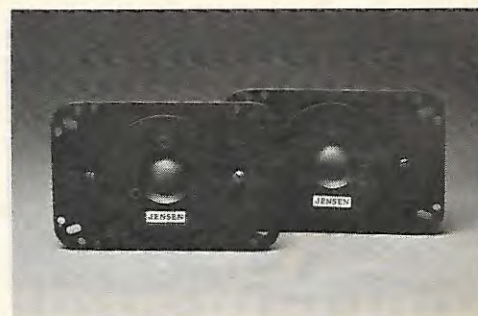


### Pioneer TS-M2

The TS-M2 is a low cost top-of-the-dash mount tweeter with built-in crossover and adjustable level control. Provides superior stereo imaging the easy way. List price: \$49.95.

**IMPORTANT POINTS:** Recommended power range: 4-15 watts; efficiency rating: high

#130TSM2 **OUR PRICE: \$37/PAIR**

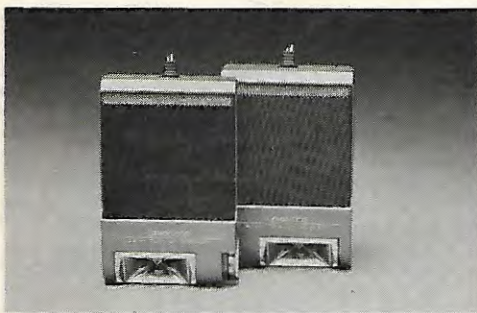


### Jensen J1294

Your standard dash speakers (3 1/2" or 4x6) can be replaced with a wide dispersion soft dome tweeter — the J1204. Paired with another set of speakers, the improvement in overall sound quality is amazing. List price: \$54.95.

**IMPORTANT POINTS:** Recommended power range: 4-70 watts; efficiency rating: high

#110J1294 **OUR PRICE: \$39/PAIR**

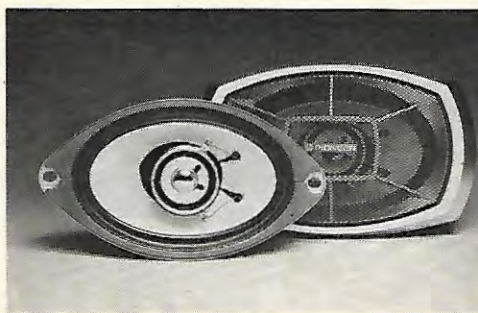


### Pioneer TS-M6

The compact TS-M6 surface mounts on (not in) your dash, door — practically anywhere! In addition to a cone midrange drive, there is a horn tweeter with adjustable shooting angle, insuring optimum perception of delicate upper harmonics. List price: \$99.95.

**IMPORTANT POINTS:** Recommended power range: 4-15 watts; efficiency rating: high

#130TSM6 **OUR PRICE: \$69/PAIR**

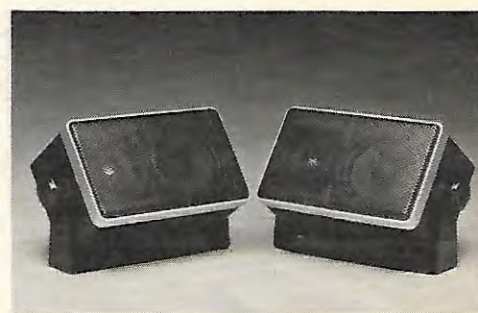


### Pioneer TS-585

The TS-585s are designed specially for Toyota rear decks. Enjoy the bridgeless tweeter and high compliance woofer responsible for that famous Pioneer sound. List price: \$99.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#130TS585 **OUR PRICE: \$69/PAIR**



### Mini Mesa 15

Now you get unbelievably good sound from a super compact cabinet that fits extremely tight spaces in compact vehicles. Five year warranty. List price: \$129.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#113MESA15 **OUR PRICE: \$79/PAIR**



## SLIMLINE SPEAKERS



### Sony XS-211S

The XS-211S is a hot new slimline speaker from Sony. You get big sound from a speaker that is small enough to fit in the crowded door panels of most subcompact cars. List price: \$49.95.

**IMPORTANT POINTS:** Recommended power range: 4-25 watts; efficiency rating: high; spacer rings included

#158XS211S **OUR PRICE: \$37/PAIR**

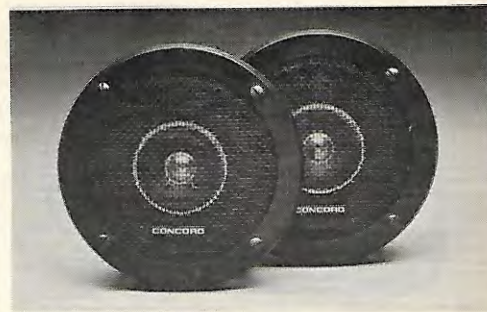


### Clarion SD-520

A very attractive low-profile mesh grill creates a tasteful extra touch for this slim depth coaxial speaker. The post mounted tweeter allows clear passage of bass tones from the air suspension woofer. List price: \$59.00.

**IMPORTANT POINTS:** Recommended power range: 4-30 watts; efficiency rating: high

#020SD520 **OUR PRICE: \$44/PAIR**

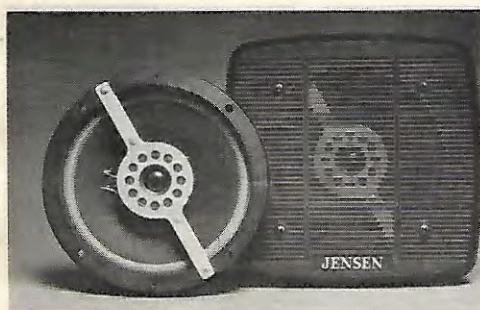


### Concord HPS-152

The HPS-152 has the great sound of Concord's revolutionary "Recurve Cone" construction plus extended high frequency response from the built in 2" tweeter. Installation is easy in most cars with attractive results. List price: \$89.95.

**IMPORTANT POINTS:** Recommended power range: 4-30watts; efficiency rating: high

#240HPS152 **OUR PRICE: \$49/PAIR**



### Jensen J1188

The 6½" coaxial J1188 is designed to door mount in sub-compacts, even your Honda Civic. You'll have no problems with the shallow installation space in your door. List price: \$84.95.

**IMPORTANT POINTS:** Recommended power range: 4-35 watts; efficiency rating: high; rear clearance: 1½"

#110J1188 **OUR PRICE: \$59/PAIR**

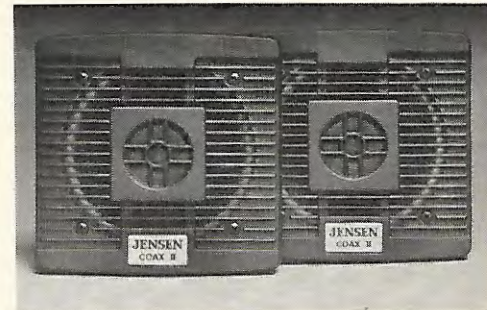


### Sony XS-613S

The XS-613S requires just 1" depth behind the mounting surface for easy installation. For a speaker that sounds so fine, that's almost too good to be true. List price: \$84.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#158XS613S **OUR PRICE: \$64/PAIR**

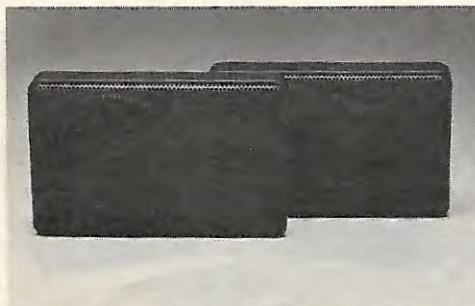


### Jensen J1201

The J1201 offers Series II® performance in the 6½" door mount format. Its thin mounting depth enables installation in sub-compacts as well as larger sized cars. List price: \$119.95.

**IMPORTANT POINTS:** Recommended power range: 4-45 watts; efficiency rating: high; rear clearance: 1½"

#110J1201 **OUR PRICE: \$79/PAIR**

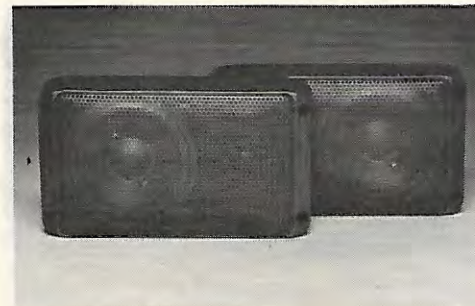


### Visonik 3200BL

The 3200BL mounts flush to a narrow rear deck or a crowded door panel and has 4" woofers and 1" dome tweeters. The 3200BL has a higher crossover frequency than the 4200BL and handles more power. List price: \$150.00.

**IMPORTANT POINTS:** Recommended power range: 12-45 watts; Efficiency rating: medium

#2353200BL **OUR PRICE: \$119/PAIR**



### Visonik 4200BL

The David 4200 is the flush mount version of the famous David surface mount speakers. They fit the rear deck of many Mercedes and BMWs or in the door panels of many cars. List price: \$180.00.

**IMPORTANT POINTS:** Recommended power range: 4-30 watts; efficiency rating: high

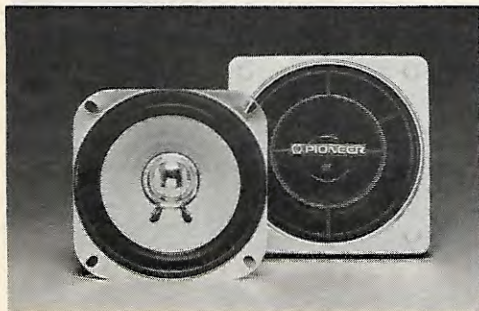
#2354200BL **OUR PRICE: \$159/PAIR**



At first we thought it was impossible! Visonik 4200BL speakers installed in the door panel of a 1981 Pontiac Grand Prix Brougham with power windows.



## FLUSH MOUNT SPEAKERS



### Pioneer TS-106 4"

The Pioneer TS-106 is a versatile little speaker. It fits in the dash of some Hondas and Mercedes or in the door panels of just about any car. List price: \$49.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#130TS106 **OUR PRICE: \$35/PAIR**

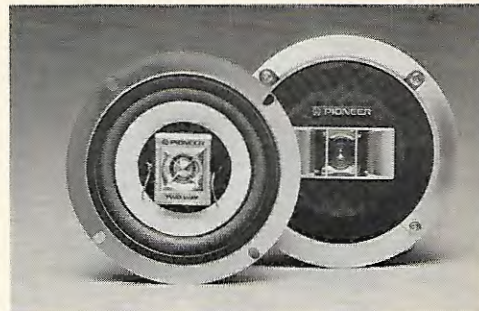


### Pioneer TS-107 4"

Get that great Pioneer sound in a 4" speaker with the TS-107. Its dual cone design delivers full range response for limited space applications. Pioneer even includes rain shields to protect the TS-107s from moisture damage. List price: \$54.95.

**IMPORTANT POINTS:** Recommended power range: 4-15 watts; efficiency rating: high

#130TS107 **OUR PRICE: \$39/PAIR**

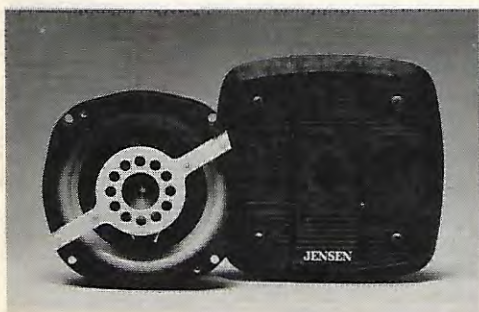


### Pioneer TS-108 4"

These 4" coaxial speakers transform ordinary car doors into superb sound systems. They're simple to install, look great, and at our low price are sure to please critical listeners and budget watchers alike! List price: \$69.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#130TS108 **OUR PRICE: \$49/PAIR**

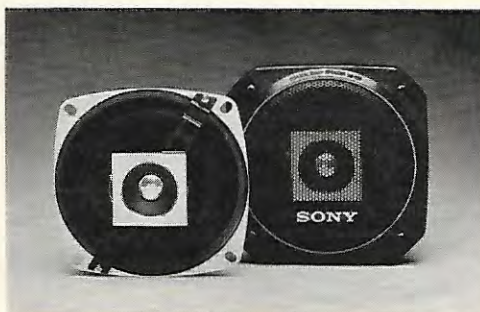


### Jensen J1093 4 1/2"

The 4 1/2" J1093 coaxial speaker gives you great bass in a high efficiency door mount. We recommend this little speaker when your budget demands a lower power unit and inexpensive speakers. For a low cost you'll still have great Jensen sound! List price: \$71.95.

**IMPORTANT POINTS:** Recommended power range: 4-35 watts; efficiency rating: high; rear clearance: 1 1/4"

#110J1093 **OUR PRICE: \$49/PAIR**

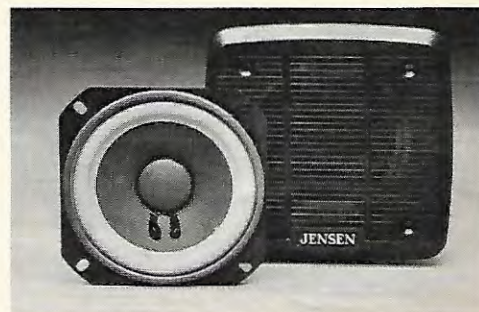


### Sony XS-102 4"

Get Sony quality in an attractive 4" two way speaker system with high energy magnets for high efficiency. Comes with rain shield to protect your investment. List price: \$69.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#158XS102 **OUR PRICE: \$49/PAIR**

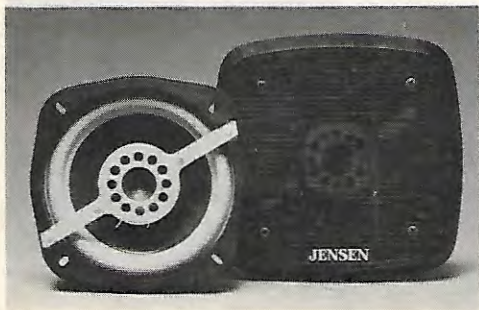


### Jensen J1283 4"

Looking for great sound at a bargain price? The J1283 gives you the quality that made Jensen famous, in a size that easily fits many cars, at a price you can't resist. List price: \$49.95.

**IMPORTANT POINTS:** Recommended power range: 4-30 watts; efficiency rating: high

#110J1283 **OUR PRICE: \$34/PAIR**

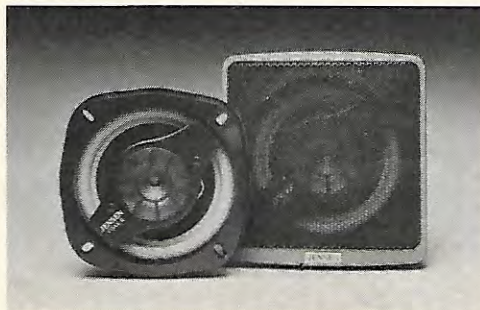


### Jensen J1077 5 1/4"

Jensen J1077 is a great sounding coaxial door mount speaker with the big twenty ounce magnet for superior bass response and high power handling capability. The two inch piezoelectric tweeter provides sharp, well defined treble. List price: \$79.95.

**IMPORTANT POINTS:** Recommended power range: 4-50 watts; Efficiency rating: high

#110J1077 **OUR PRICE: \$54/PAIR**

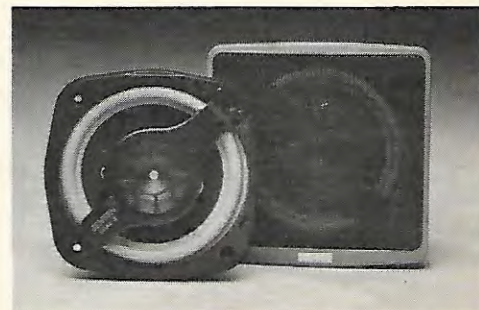


### Jensen J2126 5 1/4"

The 4" Series II Coaxial J2126 door flush mount has two basic applications: it's a high quality tweeter/midrange module in component speaker installations or a full range speaker for the best sound in compact cars. List price: \$94.95.

**IMPORTANT POINTS:** Recommended power range: 4-50 watts; efficiency rating: high; rear clearance: 1 1/4"

#110J2126 **OUR PRICE: \$64/PAIR**



### Jensen J2041 5 1/4"

The J2041 coaxial speaker brings you Jensen's Series II® technology in the 5 1/4" door mount format. The 2" piezoelectric tweeter produces crystalline middle and high frequencies. List price: \$99.95.

**IMPORTANT POINTS:** Recommended power range: 4-75 watts; efficiency rating: high; rear clearance: 2 1/4"

#110J2041 **OUR PRICE: \$69/PAIR**



## FLUSH MOUNT SPEAKERS

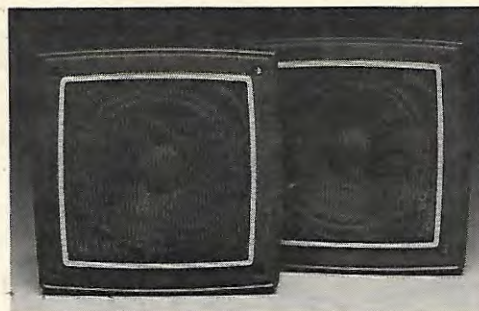


### Sony XS-301 5 1/4"

The XS-301 solves the problem of poor high frequency dispersion in front door installation by utilizing a unique offset cone tweeter. Comes with a rain shield. List price: \$89.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#158XS301 **OUR PRICE: \$69/PAIR**

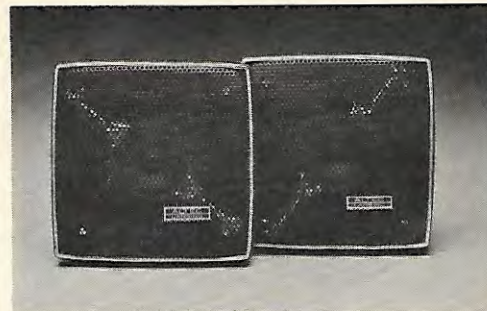


### Altec Lansing SK1 5 1/4"

These high efficiency Altec speakers will thrill you with their incredible dynamic response. Peerless in its class, the SK1 produces astonishing levels of accurate, distortion free sound. Another refined product from Altec Lansing. List price: \$112.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#100SK1 **OUR PRICE: \$89/PAIR**

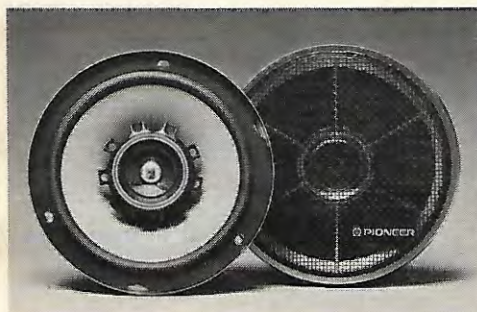


### Altec Lansing SK-2 Duplex 5 1/4"

Popularly priced name brand performance from an efficient two-way speaker incorporating new technology and time tested principles. Produces realistic sound with small amp but really sparkles with power. List price: \$119.95.

**IMPORTANT POINTS:** Recommended power range: 4-50 watts; efficiency rating: high

#199SK2 **OUR PRICE: \$99/PAIR**



### Pioneer TS-167 6 1/2"

A 6 1/2" two-way design featuring high efficiency and a high compliance woofer paired with an exponential horn cone tweeter have made the TS-167 a best seller. Get these speakers and you can have your cake and eat it too. List price: \$79.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high; rear clearance: 2 1/4"

#130TS167 **OUR PRICE: \$54/PAIR**

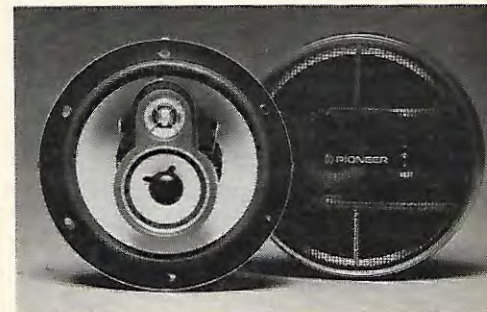


### Concord HPS-266 6 1/2"

Today's music requires speakers capable of high power and definition. The biampifiable HPS-266 incorporates a ferrofluid 2" hard dome tweeter for peerless response and dispersion, and an efficient woofer that brings out lows. List price: \$139.95.

**IMPORTANT POINTS:** Recommended power range: 4-80 watts; efficiency rating: high

#240HPS266 **OUR PRICE: \$99/PAIR**

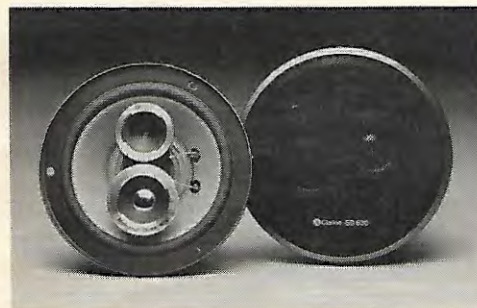


### Pioneer TS-168 6 1/2"

Pioneer makes the best three-way door speaker on the market. The TS-168 has a big "deep dish" parabolic woofer cone that delivers the kind of bone rattling bass you rarely experience in a car. List price: \$124.95.

**IMPORTANT POINTS:** Recommended power range: 4-40 watts; efficiency rating: high

#130TS168 **OUR PRICE: \$84/PAIR**

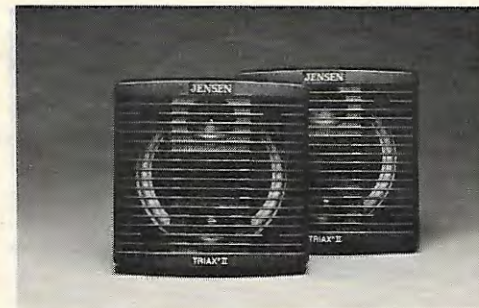


### Clarion SD-630 6 1/2"

Making music that moves you with striking realism, the multi-axial SD-630 fits rear decks and doors. Modern styling means a speaker that looks as clean as it sounds. List price: \$109.00.

**IMPORTANT POINTS:** Recommended power range: 4-50 watts; efficiency rating: high

#020SD630 **OUR PRICE: \$74/PAIR**



### Jensen J1279 6 1/2"

Small car owners will be delighted with the crisp, clear highs and rich, deep bass tones of Jensen's new 6 1/2" Triax®, a shallow mounting three-way speaker. The J1279 combines top-notch performance with unmatched quality for the best sound around. List price: \$149.95.

**IMPORTANT POINTS:** Recommended power range: 4-75 watts; efficiency rating: high

#110J1279 **OUR PRICE: \$99/PAIR**



### Matreco Domeplex 16 6 1/2"

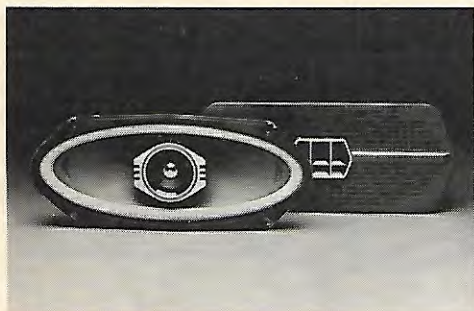
If you like it loud you'll like the Domeplex 16. Matreco uses heat resistant oversize ferrofluid woofer voice coils for sustained concert level operation. Upper frequencies are brilliantly reproduced by the polycarbonate dome tweeter. List price: \$119.95.

**IMPORTANT POINTS:** Recommended power range: 10-65 watts; efficiency rating: medium; 5 year warranty

#236PLEX16 **OUR PRICE: \$89/PAIR**



## REAR DECK SPEAKERS

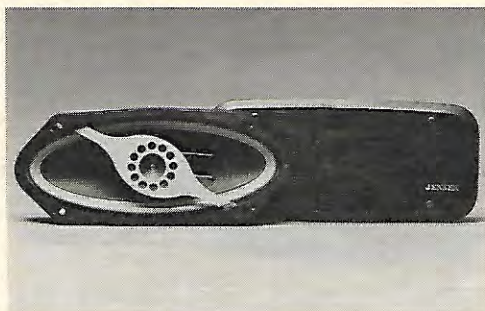


### Pioneer TS-411 4"x10"

The TS-411 replaces your factory speakers with thrilling high fidelity sound. Also, these speakers are tough enough to give long service under the conditions common to cars. List price: \$69.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high

#130TS411 **OUR PRICE: \$49/PAIR**



### Jensen J1105 4"x10"

The new and improved J1105 lets you enjoy the great sound of Jensen while you stretch your car stereo dollars. List price: \$84.95.

**IMPORTANT POINTS:** Recommended power range: 4-45 watts; efficiency rating: high

#110J1105 **OUR PRICE: \$59/PAIR**

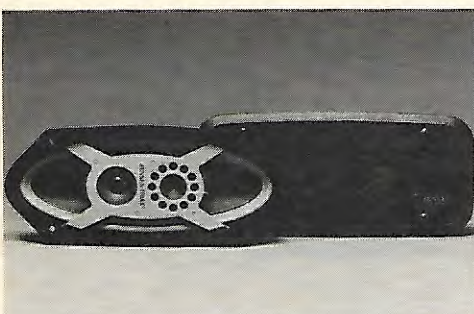


### Matrecs Domeplex 19 4"x10"

Outstanding among its peers, the Domeplex 19 produces a quality of sound uncommon in this size. A space-age magnetic fluid in the voice coil helps dissipate heat and lubricates for greater sound output and lower distortion. List price: \$119.95.

**IMPORTANT POINTS:** Recommended power range: 4-35 watts; efficiency rating: high; 5 year warranty

#236PLEX19 **OUR PRICE: \$79/PAIR**

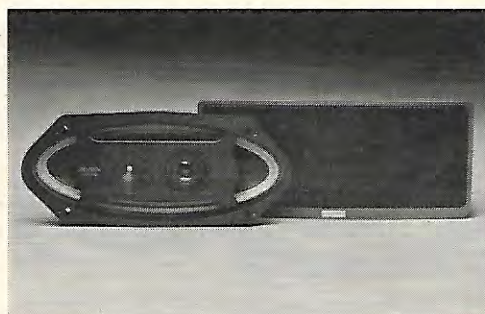


### Jensen J1101 4"x10"

Now you can enjoy the great sound of a Jensen triaxial in a 4" x 10" speaker. The J1101 fits the narrow rear decks of late model GM cars. List price: \$129.95.

**IMPORTANT POINTS:** Recommended power range: 4-45 watts; efficiency rating: high

#110J1101 **OUR PRICE: \$89/PAIR**



### Jensen J2130 4"x10"

The 4" x 10" Triax II® gives you extremely accurate reproduction in the car because that is just the environment in which they are designed to operate. List price: \$179.95.

**IMPORTANT POINTS:** Recommended power range: 4-50 watts; efficiency rating: high

#110J2130 **OUR PRICE: \$119/PAIR**



### Jensen J1069 6"x9"

The Jensen coaxial is claimed by many to have sound quality on a par with Jensen's triaxials. We think it's a great deal. You'll particularly like the solid bass that results from Jensen's patented Flexair foam suspension. List price: \$84.95.

**IMPORTANT POINTS:** Recommended power range: 4-45 watts; efficiency rating: high

#110J1069 **OUR PRICE: \$59/PAIR**

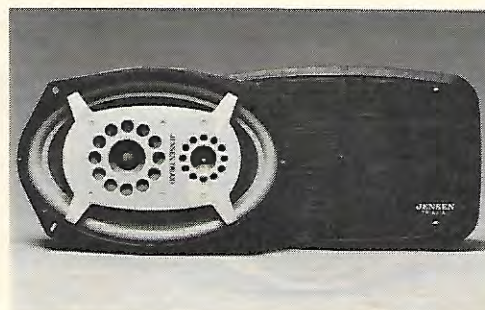


### Clarion SD-970 6"x9"

Fill the void in your rear deck with the popular SD-970. Pumps out big sound, but goes easy on your wallet. New hi-tech grill design complements any interior. List price: \$89.00.

**IMPORTANT POINTS:** Recommended power range: 4-50 watts; efficiency rating: high

#020SD970 **OUR PRICE: \$69 /PAIR**



### Jensen J1065 6"x9"

Jensen's original triaxial speaker is still around, and it has also been improved to handle more power. In this price range it's still the speaker of choice. List price: \$129.95.

**IMPORTANT POINTS:** Recommended power range: 4-45 watts; efficiency rating: high; the original, revolutionary Triax I

#110J1065 **OUR PRICE: \$89/PAIR**



### Clarion SD-980 6"x9"

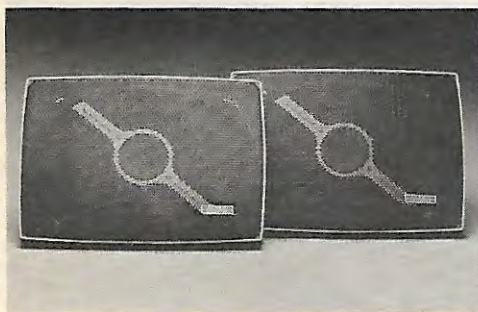
Crisp sound and appearance characterize the SD-980. The midrange and tweeter elements are post mounted, resulting in unrestrained low frequency generation. Cosmetically matches new Clarion in-dash receivers. List price: \$119.00.

**IMPORTANT POINTS:** Recommended power range: 4-60 watts; efficiency rating: high

#020SD980 **OUR PRICE: \$89/PAIR**



## REAR DECK SPEAKERS

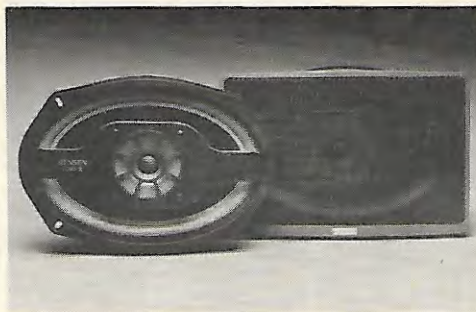


### Altec Lansing 6x94C 6"x9"

Altec's modern production techniques and incomparable speaker design experience make this exciting new model possible. Low in price but high in performance, the 6x94C complements any in-dash receiver, filling your car with the "Voice of the Highway." List price: \$119.95.

**IMPORTANT POINTS:** Recommended power range: 4-50 watts; efficiency rating: high

#1996x94C **OUR PRICE: \$89/PAIR**

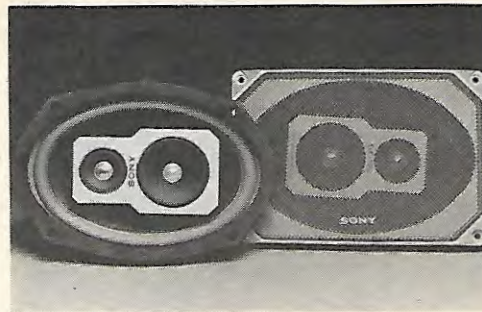


### Jensen J2037 6"x9"

The Jensen 6x9 Series II coaxial shares the same new technology with its big brother, the Series II Triax. Naturally, as a coaxial it uses one driver to reproduce the middle and highs instead of the separate drivers used in the Triax. List price: \$129.95.

**IMPORTANT POINTS:** Recommended power range: 4-60 watts; efficiency rating: high

#110J2037 **OUR PRICE: \$89/PAIR**

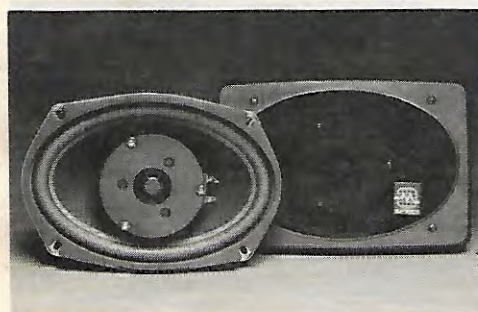


### Sony XS-63 6"x9"

The Sony XS-63 has a 3" cone midrange and a 2" cone tweeter. The cone drivers won't handle massive amounts of power, but they will deliver much more natural sound than most piezoelectric midrange/tweeter units. List price: \$139.95.

**IMPORTANT POINTS:** Recommended power range: 4-40 watts; efficiency rating: high

#158XS63 **OUR PRICE: \$99/PAIR**

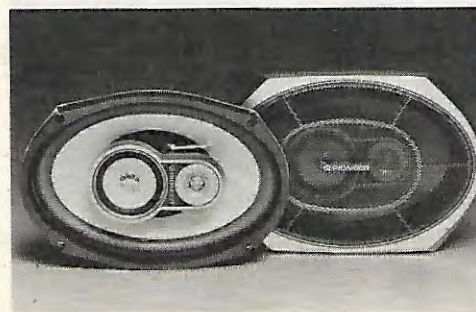


### Matrecs Domeplex 30 6"x9"

The totally unique Domeplex 30 from Matrecs features a high power ferro fluid woofer and a one-inch polycarbonate dome tweeter that can be separated from the woofer and mounted in the front door. List price: \$139.95.

**IMPORTANT POINTS:** Recommended power range: 12-75 watts; efficiency rating: medium

#236PLEX30 **OUR PRICE: \$99/PAIR**

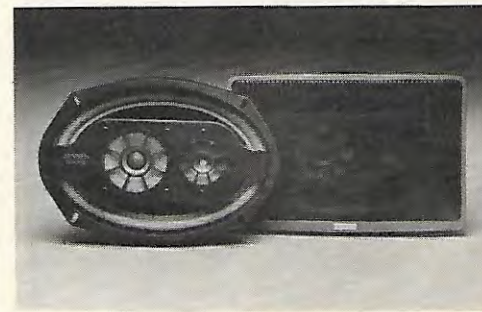


### Pioneer TS-698 6"x9"

The overall sound quality of the three-way TS-698s is simply awesome when these speakers are matched with a clean power amp, but their high efficiency makes them a perfect match for lower powered systems also. List price: \$169.95.

**IMPORTANT POINTS:** Recommended power range: 5-60 watts; efficiency rating: high

#130TS698 **OUR PRICE: \$119/PAIR**

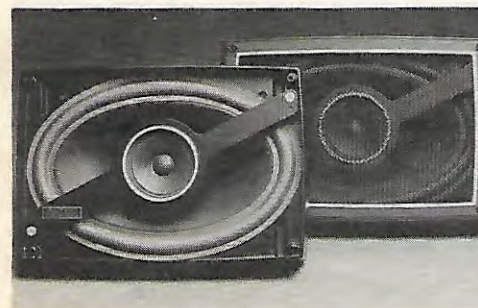


### Jensen J2033 6"x9"

Jensen's Series II Triax® 6" x 9" speaker can handle more power than the Series I Triax, and it is more efficient at the same time! The result is awesome bass and dynamic range. List price: \$179.95.

**IMPORTANT POINTS:** Recommended power range: 4-100 watts; efficiency rating: high

#110J1033 **OUR PRICE: \$119/PAIR**

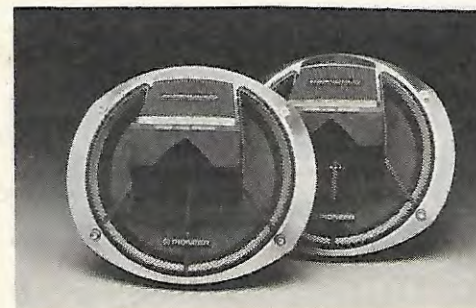


### Altec Lansing 6x94A 6"x9"

The innovative Duplex by Altec is the only 6x9 speaker suitable for door mounting in addition to the rear deck. The unusual design requires only 1 1/4" of mounting depth and is characterized by stunning sound quality and durable, rugged construction. List price: \$169.95.

**IMPORTANT POINTS:** Recommended power range: 4-40 watts; efficiency rating: high; 1 1/4" mounting depth

#1996x94A **OUR PRICE: \$124/PAIR**

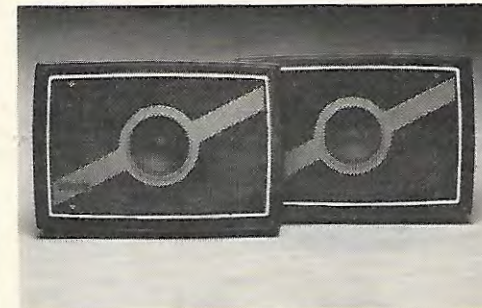


### Pioneer TS-2000 6"x9"

Designed to easily fit a standard 6x9 opening, the cross-axial TS-2000 consists of an 8" round driver for increased clarity combined with a unique tweeter/grill assembly. One of the most impressive speakers we've ever heard. List price: \$199.95.

**IMPORTANT POINTS:** Recommended power range: 4-60 watts; efficiency rating: high

#130TS2000 **OUR PRICE: \$139/PAIR**



### Altec Lansing 6x94B 6"x9"

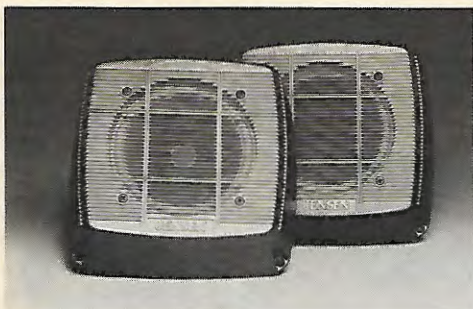
Not for the meek, the Altec 6x94B transforms amplifier power into intensely realistic "live" sound, be it super engineered jazz/rock fusion or the latest from Nashville. An aural experience for the avid listener. List price: \$239.95.

**IMPORTANT POINTS:** Recommended power range: 5-75 watts; efficiency rating: high

#1996x94B **OUR PRICE: \$169/PAIR**



## SURFACE MOUNT SPEAKERS



### Jensen J1245

Here is low cost car stereo at its best. The Jensen J1245 is a 6½" dual cone speaker in a versatile convertible housing. List price: \$39.95.

**IMPORTANT POINTS:** Recommended power range: 4-30 watts; efficiency rating: high; dimensions: 8"x7½"x3½"

#110J1245 **OUR PRICE: \$29/PAIR**

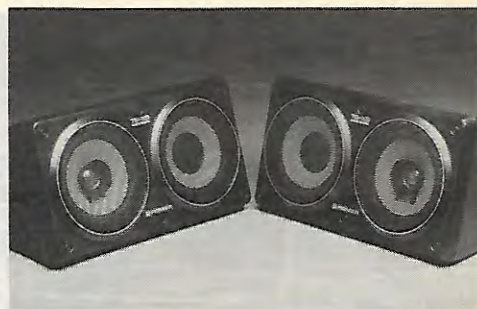


### Jensen J1186

The J1186 is a versatile little 4" two-way convertible that mounts just about anywhere. Try them on the surface of the kick panel or flush on a door panel. List price: \$76.95.

**IMPORTANT POINTS:** Recommended power range: 4-40 watts; efficiency rating: high; dimensions: 6½"x6½"x4"

#110J1186 **OUR PRICE: \$49/PAIR**



### Pioneer TS-X5

The Pioneer TS-X5s feature a 4" dual cone high performance driver acoustically coupled to a passive radiator to produce sound expected of larger speakers. Installation is easy in cars with narrow rear decks (like GM X-bodies). List price: \$99.95.

**IMPORTANT POINTS:** Recommended power range: 4-20 watts; efficiency rating: high; dimensions: 9"x5¼"x5½"

#130TSX5 **OUR PRICE: \$69/PAIR**



### Pioneer TS-X6

Designed for efficient operation with any car stereo, the TS-X6 gives you component quality at a reasonable price. The plastic cabinet is heat resistant to 240° making it ideal for rear decks with sloping rear windows. List price: \$109.95.

**IMPORTANT POINTS:** Recommended power range: 4-15 watts; efficiency rating: high; dimensions: 5"x9¼"x6½"

#130TSX6 **OUR PRICE: \$89/PAIR**

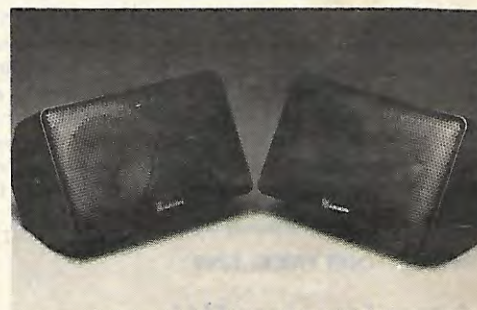


### Recoton SM-200

There is perhaps no better bargain in this catalog than the SM-200s. They produce middle and high frequencies with sparkling clarity, resulting in a stereo image that is totally disconnected from the speakers. List price: \$149.95.

**IMPORTANT POINTS:** Recommended power range: 15-35 watts; efficiency rating: low; dimensions: 4½"x7"x4½"

#137SM200 **OUR PRICE: \$99/PAIR**



### Visonik Alphasonik 3000BL

The jet black Visonik Alphasonik 3000BL is an incredible value in a sophisticated surface mount speaker system. Use them on a rear deck or under your dash on the kick panels. Either way you'll be thrilled. List price: \$190.00. Brackets #235B3 available for \$14.

**IMPORTANT POINTS:** Recommended power range: 10-40 watts; efficiency rating: high-medium; dimensions: 4¼"x6¼"x4"

#2353000BL **OUR PRICE: \$149/PAIR**

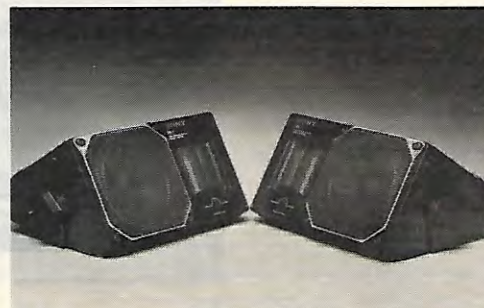


### elf-100

The French-made elf-100 is a very small, very accurate loudspeaker that uses the best driver elements available, in a "wedge" cabinet, eliminating standing waves. We took advantage of a special purchase and passed the savings along to you.

**IMPORTANT POINTS:** Recommended power range: 4-40 watts; efficiency rating: high; dimensions: 5"x8"x6½"

#250ELF100 **OUR PRICE: \$169/PAIR**



### Sony XS-1B

Sony's sensational XS-1Bs are simply stunning, both in terms of sound quality and styling. Their remarkable ribbon tweeters are paired with big 5" woofers and can be flush or surface mounted. List price: \$279.95.

**IMPORTANT POINTS:** Adjustable tweeter level; recommended power range: 12-70 watts; efficiency rating: medium; dimensions: 5¼"x9"x6¼"

#158XS1B **OUR PRICE: \$199/PAIR**



### Visonik David 5000BL

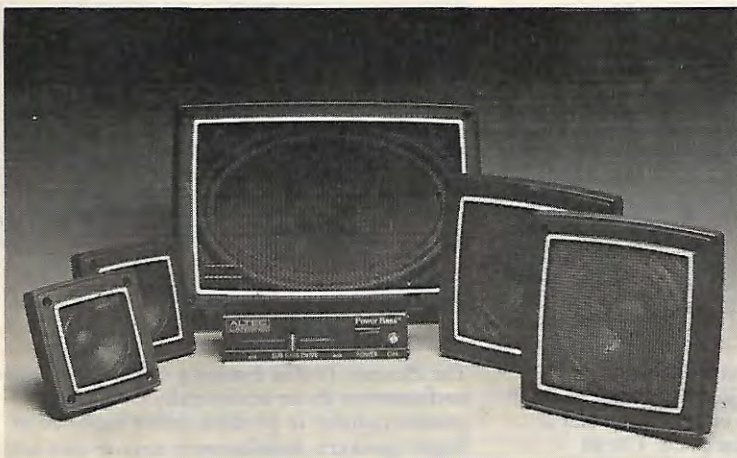
The David 5000s provide the accuracy of a studio monitor in a package that perfectly accents your car, boat or plane without sacrificing the integrity of your interior to a saber saw. Brackets (#235B5) are available for \$25 per pair. List price: \$276.00.

**IMPORTANT POINTS:** Recommended power range: 10-50 watts; efficiency rating: medium; dimensions: 4¼"x6¼"x4"

#2355000BL **OUR PRICE: \$249/PAIR**



## SPEAKER SEPARATES



### Altec Lansing AL1 System

Altec Lansing has four decades of experience delivering superior sound in difficult environments and, with the knowledge gained in recording studios throughout the world, they undertook the task of producing their famous sound in the automobile. Altec's AL1 system is the choice for those demanding flat response at "live" sound levels. These immaculate drivers interface smoothly, extending the audio range at both ends of the sound spectrum. Due to their extremely high efficiency, these unique transducers supply excellent dynamic range, clarity and accuracy when using medium power amplifiers (under 25 watts per channel). The AL1 system impressed our product selection group — you'll be impressed too. List price for the system is \$389.95.

**IMPORTANT POINTS:** Efficiency rating: high; Recommended power range: 4-35 watts

#199AL1 **OUR PRICE: \$299**

### Altec Lansing TK1

The high frequency component of the AL1 system is available separately as the TK1. The slimline design fits many locations, adds clarity and brilliance to any installation plagued with muddy or muffled sound, resulting in much more lifelike reproduction. The TK1s are compatible with any car stereo and include crossovers (5000 Hz). List price: \$79.95.

**IMPORTANT POINTS:** Efficiency rating: high; Recommended power range: 4-20 watts; Mounting depth: 3/8"

#199TK1 **OUR PRICE: \$59/PAIR**

### Altec Lansing SK1

The heart of the AL1 system, the SK1 is a 5 1/4" extended range speaker that functions well in a solo format for limited space applications. The die-cast alloy structure and metal mesh grill add up to a rugged, pro quality speaker. As with all Altec drivers, the high efficiency provides breathtaking realism and accuracy. List price: \$112.95.

**IMPORTANT POINTS:** Efficiency rating: high; Recommended power range: 4-35 watts; Mounting depth: 2"

#199SK1 **OUR PRICE: \$89/PAIR**

### Altec Lansing SW1

The power bass consists of a single specially designed 6x9 woofer mounted in a die-cast alloy frame together with a compact but powerful amplifier. A separate control module mounts discreetly to enable ongoing adjustment of subwoofer effect. The SW1 is compatible with most car stereos. The addition of the SW1 to existing speakers reveals frequencies that comprise the lower extremes of the audio band. Subwoofers have dramatically improved the sound of home audio. Now your car system can benefit too. List price: \$239.95.

**IMPORTANT POINTS:** Power output: 35 watts at .05% THD; Frequency response: 50-150 Hz

#199SW1 **OUR PRICE: \$189 EACH**



### Visam Separates

Now you can create your own custom speaker system with Visam drivers. The first step is to choose either the 6" or 6" x 9" woofers. Next make sure you have room up front, in the dash or the front doors, for the 1" dome tweeters. You can sweeten up the system with a pair of 5" midrange drivers if you have room in the door panels. Crossovers included. One year warranty

**IMPORTANT POINTS:** Recommended power range: 12-40 watts; efficiency rating: high

#235W6920G 6" x 9" woofer

List Price: \$54.00 each

Our Price: \$44 each

#235W620G 6" woofer

List Price: \$54.00

Our Price: \$44 each

#235M55G 5" midrange

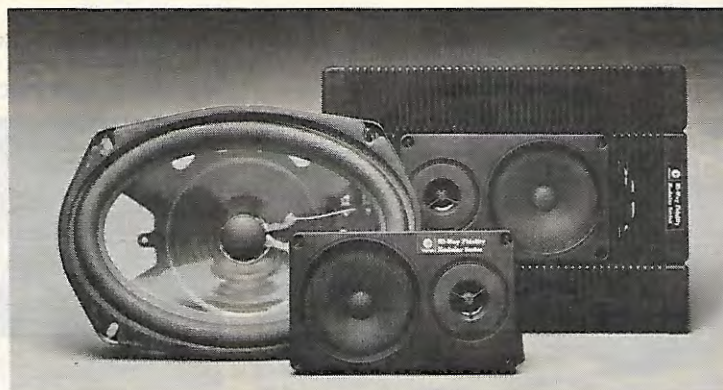
List Price: \$26.10

Our Price: \$23 each

#235DT12G 1" tweeter

List Price: \$13.30

Our Price: \$12 each



### Clarion SD-1000

Formula Polypropylene woofers for superb low end response and durability plus Polydax Polycarbonate FerroFluid tweeters and heavy duty 3" midrange drivers plus unique modular grill design for installation flexibility equals the best 6x9 speakers that can be had at this price. The kind of speaker that you talk about, even when you're not in your car. List price: \$189.00.

**IMPORTANT POINTS:** Recommended power range: 4-75 watts; efficiency rating: high

#020SD1000 **OUR PRICE: \$129/PAIR**



# Component Car Stereo

Each of the car stereo component systems we offer has been designed by its manufacturers to give you first class AM, FM and cassette performance and to give you some options when it comes to amplifiers and equalizers.

The AM/FM cassette "front ends" (except for the Concord HPL-515) have no built in amplifiers, only preamp outputs. Of course many of the integrated AM/FM cassette receivers you just finished reading about can be hooked up to the component amplifiers by simply splicing the receiver's speaker wires to the component amplifiers' input wires. Some of the integrated receivers have preamp output jacks in addition to a built-in amplifier. In some cases you can use both the built in amp and a component amp in a biamp system. On pages 38-39 we offer a line up of power boosters and booster/equalizers that are almost always used as an add on to an integrated car stereo receiver. However a few of the booster/equalizers such as the Marantz SA-250 can also be wired to a component "front end" via preamp output jacks.

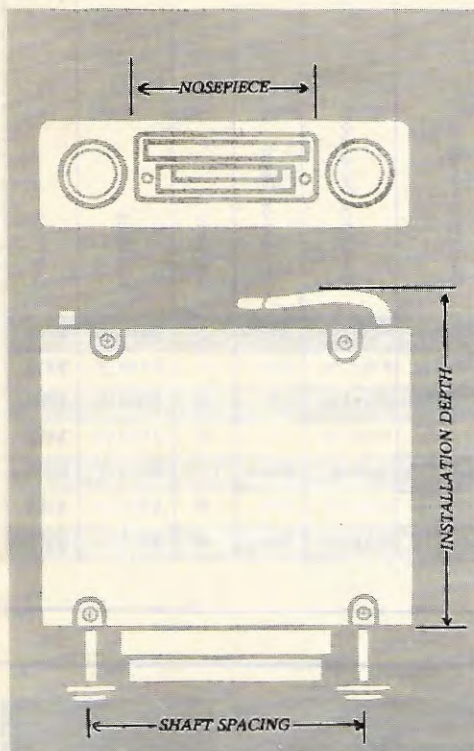
All of this may sound rather complex at first, but there is one simple way to avoid confusion: *if you buy your front end, amplifier and accessories from a single manufacturer's line up you can be certain that everything will hook together with no difficulty and sound*

*great after the installation has been completed.*

If you want to mix and match components of different brands to create your own hybrid system or if you want to buy a component amp for your integrated receiver you should call our sales department for toll free advice.

Shop for components the same way you would shop for an integrated receiver. First determine what will fit in your dashboard, then pick your features and determine how much power you require. If you like your music loud, consider components. If you are interested in the superior fidelity and dynamic range that can only be reproduced by the most powerful amps and the finest tuners and cassette decks, components are the only way to go.

Please note that we are printing the manufacturer's power output specifications over a full bandwidth at a specific distortion level. This is a departure from the way we rate the power output of integrated car stereo receivers and boosters. The reason for this is to demonstrate that the finest car audio amplifiers can compete on equal terms with high quality home stereo equipment. We created our own unified standard for rating the power of integrated car stereo receivers to allow you to compare a wider variety of products in a meaningful way.



	FEATURES																					
	Chassis Size	Page	Separate Bass and Treble	Loudness Switch	Dual Amp Balancer	RCA Output Jacks	Mono/Stereo Switch	Local/Distance Switch	FM Mute Switch	Auto High Blend	Digital Display	Clock	Signal Seeking	Preset Station Freq.	Power Antenna Lead	Dolby Noise Reduction	Selectable Tape Equalization	Hard Tape Head	Auto Cue/Review	Auto Reverse	Auto Eject	Power Off Eject
Blaupunkt CR-3001	A	44	x		x		x	x			x	x	x	12	x	x	x	x		x		x
Clarion 9300T	A	48	x		x					x	x	x	x	10	x	x	x	x	x	x		
Concord HPL-508	C	47	x	x	x	x	x	x	x						x	x	x	x			x	x
Concord HPL-130	C	47	x	x	x	x	x	x	x	x	x	x	x	10	x	x	x	x	x		x	x
Marantz CAR-427	D	50	x	x	x	x				x	x	x	x	10	x	x	x	x		x	x	x
Pioneer KEX-20	C	50	x	x			x			x				15	x	x	x	x			x	
Sony XR-70	C	48	x	x	x		x	x			x	x	x	10	x	x	x	x	x		x	x



	SPECIFICATIONS								DIMENSIONS				GENERAL		
	PREAMP	FM TUNER				TAPE			Shaft Spacing	Chassis Dimensions	Nosepiece Dimensions	Installation Depth	Warranty	List Price	Our Price
	Preamp Output (volts into ohms)	FM Frequency Response ( $\pm 3$ dB)	Monophonic Usable Sensitivity (dB)	Monophonic 50 dB Quieting Sensitivity (dB)	Stereo Separation at 1 kHz (dB)	Tape Frequency Response ( $\pm 3$ dB)	Signal to Noise Ratio (dB)	Wow and Flutter (%)							
Blaupunkt CR-3001	.5V/10k ohms	30-15k	9.0	15.1	34	50-16k	57	.16	5 1/8-5 3/4	7 1/8 x 2 x 5 1/4	4 1/8 x 1 3/8	5 3/4	B	\$630.00	<b>\$499</b>
Clarion 9300T	.5V/10k ohms	30-15k	12.0	17.0	35	30-14k	62	.13	5 1/8-5 3/4	7 1/8 x 2 x 4 1/2	4 1/8 x 1 3/4	5 1/2	A	\$449.00	<b>\$319</b>
Concord HPL-508	.8V/2.2k ohms	30-15k	11.2	20.0	35	30-20k*	56	.08	5 1/8-6 1/4	7 1/8 x 2 x 6	4 1/8 x 1 3/4	7	B	\$369.00	<b>\$299</b>
Concord HPL-130	50-800mV/10k ohms	30-15k	11.2	20.0	35	30-20k*	60	.08	5 1/8-6 1/4	7 1/8 x 2 x 6	4 1/8 x 1 3/4	7	B	\$529.95	<b>\$429</b>
Marantz CAR-427	.5V/1.8k ohms	30-15k	11.25	14.0	34	40-19k*	62	.15	5 1/2-6 1/4	7 1/8 x 2 3/8 x 5 1/8	4 1/8 x 2	5 3/4	C	\$475.00	<b>\$329</b>
Pioneer KEX-20	.2V/100 ohms	30-15k	16.8	19.2	45	30-15k	60	.13	5 3/4-6 1/4	7 1/8 x 2 x 5 3/8	4 1/8 x 1 3/4	6 3/4	B	\$299.95	<b>\$259</b>
Sony XR-70	.775V/10k ohms	50-12.5k	13.0	18.0	40	30-18k	66	.10	5 1/8-5 3/4	7 1/8 x 1 3/4 x 6	4 1/8 x 1 3/4	6 1/4	B	\$429.95	<b>\$359</b>

## CAR STEREO COMPONENTS

### Blaupunkt System

Blaupunkt's CR-3001 is the most widely recommended high end component for today's European automobiles. Illuminated black controls and a light sensitive digital display maintain its tasteful, uncluttered appearance and insure effective operation during hours of darkness. Keep both hands on the wheel while you scan this sensitive, digital quartz crystal frequency synthesized tuner with ASU FM noise suppression with your remote control. Use the same remote control to auto reverse the tape section, complimented by Dolby NR, tape equalization, and sendust alloy head. A separate four channel amp is included and installs with a snap of a DIN plug. For optimum results, we recommend BEA-50 or BE-55 (with night illumination) five band graphic equalizers. They install easily, will control four speakers, and custom tailor the music to your distinctive auto environment.

#### Blaupunkt CR-3001

**FEATURES:** 12 station presets, digital display, quartz clock, scan tuning, remote control operation of tuner scan and tape reverse, Dolby NR for FM and tape, LO/Dx, stereo/mono, tape equalization, separate bass



and treble controls, Night Illumination, sendust alloy head, light sensitive display

**SPECIFICATIONS:** Power output: 4 x 14 watts per channel; usable sensitivity: 9.0 dBf; stereo separation: 34 dB; tape signal to noise ratio: 57 dB; wow and flutter: .16%; chassis size designation: A; Amplifier Dimensions: 5" x 2 1/2" x 5 1/8".

#170CR3001 **OUR PRICE: \$499**

#### Blaupunkt BE-55

**FEATURES:** five bands of equalization, Night Illumination, fader control, tone defeat.

**SPECIFICATIONS:** Tone action:  $\pm 12$  dB at 60 Hz, 250 Hz, 1000 Hz, 3500 Hz, and 12000 Hz; Dimensions: 5 1/2" x 1 6" x 3 7". List price: \$92.50.

#170BE55 **OUR PRICE: \$84**

**Also Available:** BEA-50, same as above but with no night illumination. #170BEA50, Our Price: \$79



# VW Scirocco Rocks and Rolls



**VEHICLE:** 1980 Volkswagen Scirocco

**SYSTEM COMPONENTS:**

Blaupunkt CR-2010 in-dash receiver

Two Linear Power 601 amplifiers

Blaupunkt BEA-50 component equalizer

Visonik 4200BL flush mount speakers

Altec 4A 6x9 speakers

Total cost: approximately \$900  
including accessories

The system in this '80 Scirocco is a shining example of the kind of great sounding and great looking hybrid system our talented sales staff might design for you. Selecting the in-dash receiver was easy. Scirocco and Blaupunkt are like the proverbial soup and sandwich. Choosing compatible amps and speakers to meet the demands of a rock and roller, now that's not so easy.

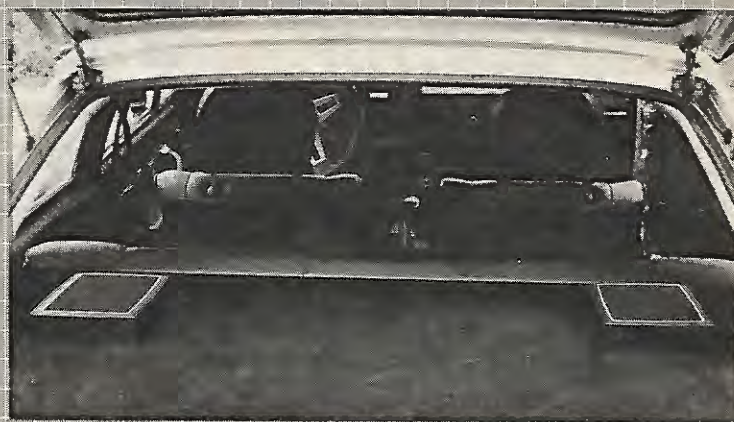
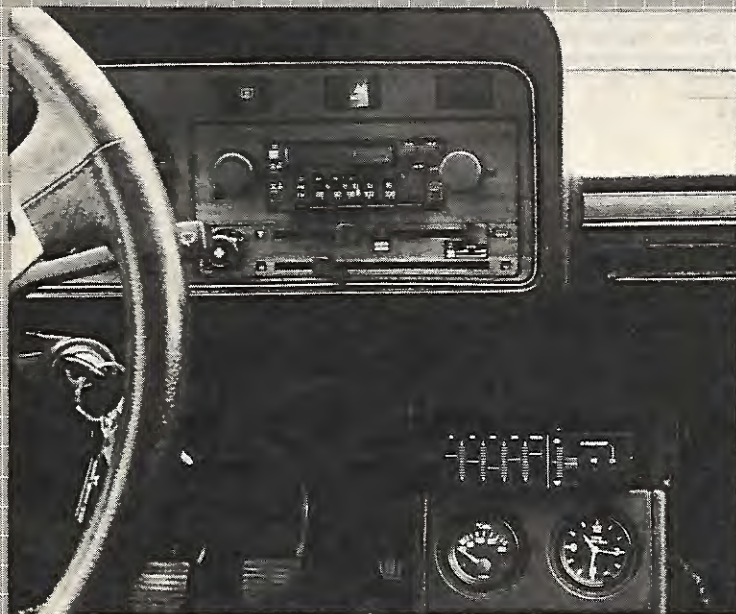
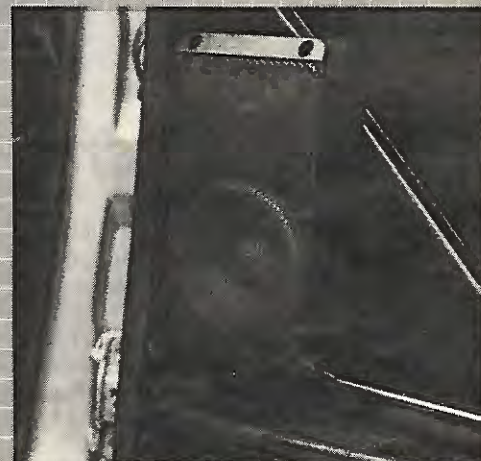
Careful inspection of the front door panels revealed just enough room for the Visonik 4200BL speakers. They mount just above the factory speakers in the map pockets and clear the bottom of the dashboard by a hair when the doors are closed.

The Altec 4A 6x9 speakers provide the bass punch in the system. They mount on the lift panel behind the rear seat. Their black finish blends in perfectly with the Scirocco's black interior.

The speakers we installed need high power to do justice to high volume rock and roll so we elected to drive them with two Linear Power 601 component amplifiers. The Blaupunkt CR-2010 and BEA-50 equalizer both have preamp outputs for component amplifiers but they terminate in a DIN plug. The Linear Power amps use RCA jacks so our shop had to fabricate a special adapter.

The Linear Power 601 amplifiers were mounted on the package tray under the dash and the equalizer was mounted with velcro strips in the console. Once everything was wired up we took our time adjusting the input sensitivity at the amplifiers for the lowest distortion.

The end result is a system that looks beautiful and sounds great. It can handle the rock and roll but the equalizer gives it enough flexibility to honestly reproduce any program material. The Visonik speakers provide some breathtaking stereo separation up front while the Altecs pump out the bass.



TOP: Visonik 4200BL speakers in front door.  
LEFT: Blaupunkt CR-2010 and BEA-50 equalizer in dash.  
ABOVE: Altec 6x9A speakers on lift panel.





Clarion Hi-Way Fidelity component front end pictured above with three Clarion component main amplifiers: the 400A, 1800A and 800A

## Clarion System

Beautiful, contemporary styling, engineered with human factors uppermost in mind, reflects Clarion's total design philosophy in their newest component masterpiece: The 9300T Hi-Way Fidelity MK-II. This is a precision, quartz-locked digital frequency synthesized scan tuner with 5 AM/5 FM presets which optimizes superior FM performance through interaction of its improved Magitone™ circuitry. Keep your hands on the wheel while the 9300T responds automatically to ever changing signal conditions with Signal Actuated Stereo Control, Auto Dx/Lo, and Clean Z1 FM noise canceller which cancels annoying impulse noises received through the antenna. Touch-N-Load cassette mechanism accepts tape at your slightest touch while Automatic Program Control searches for the next selection or repeats the last. Enjoy convenient Clarion Auto-Reverse which actually remembers proper tape direction after ejection and reinsertion.

The 9300T readily accepts Clarion's 500E Graphic Equalizer for full range adjustment of five frequency bands. Choose the 400A stereo power amplifier for two speaker applications and the 800A power amp for four speaker applications. Achieve higher, clearer sound pressure levels with the 1800A Amp which has a switchable electronic bi-amp crossover at 1 kHz to direct low frequencies to

woofers and high frequencies to tweeter/midrange. Quality, Value, and Performance are all yours in this Clarion System.

### Clarion 9300T

**SPECIFICATIONS:** Useable sensitivity: 12.0 dBf; stereo separation: 35 dB; tape signal to noise ratio: 62 dB; wow and flutter: .13%; tape frequency response: 30-14 kHz; Chassis size designation: A; Warranty: A. List price: \$449.95.

**FEATURES:** Electronic tuning, Signal Actuated Stereo Control, Auto Dx/Lo, 10 station presets, Dolby NR, metal tape equalization, auto reverse, separate bass and treble, digital clock, Ultra Permalloy tape head, Automatic Program Control.

#0209300T OUR PRICE: \$319

### Clarion 500E

**FEATURES:** For 9300T only, five bands of equalization, defeat switch, in-dash mounting flexibility with trimplate

**SPECIFICATIONS:** Signal to noise ratio: 80 dB, equalizer tone action:  $\pm 12$  dB at 60 Hz, 250 Hz, 1 kHz, 3.5 kHz, and 10 kHz; Dimensions: 4"x 1 1/4"x 2 1/2". List price: \$69.00.

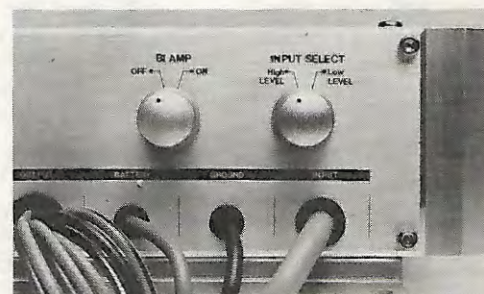
#020500E OUR PRICE: \$49

### Clarion 400A

**FEATURES:** High or low level input, overload protection, remote power switching

**SPECIFICATIONS:** Power output: 13.5 watts per channel into 4 ohms from 20 to 20 kHz at no more than 1.0% THD; signal to noise ratio: 75 dB; input sensitivity: 250 mV Lo or 3.5 V Hi; Dimensions: 4"x 1 1/2"x 6 3/8". List price: \$79.00.

#020400A OUR PRICE: \$49



Control panel of the 1800A

### Clarion 800A

**FEATURES:** Four channels, overload protection, remote power switching, Hi/Lo input

**SPECIFICATIONS:** Power output: 13.5 watts per 4 channels into 4 ohms from 20 to 20 kHz at no more than 1.0% THD; signal to noise ratio: 75 dB; Input sensitivity: 250 mV Lo or 3.5 V Hi; Dimensions: 5 1/2"x 1 1/2"x 6 3/8". List price: \$129.00.

#020800A OUR PRICE: \$89

### Clarion 1800A

**FEATURES:** Four channels, overload protection, remote power switching, Hi/Lo input, Switchable bi-amp capability

**SPECIFICATIONS:** Power output: (Front speaker amp) 15 watts per channel into 4 ohms from 20 to 20 kHz at no more than 1.0% THD (rear speaker amp) 45 watts per channel into 4 ohms from 20 to 20 kHz at no more than 1.0% THD; Signal to noise ratio: 75 dB; input sensitivity, front amp: 0.8V Hi or 50 mV lo; input sensitivity, rear amp: 0.5V Hi or 30 mV lo. Dimensions: 7 3/8"x 2 3/4"x 1 1/2". List price: \$349.00

#0201800 OUR PRICE: \$229



## CAR STEREO COMPONENTS

# Concord System

High performance without compromise is a Concord tradition carried on by their fully loaded HPL 130. At last you can have the precision Concord tape transport in the same package with an advanced design quartz digital synthesizer AM/FM four gang tuner which scans and stores up to 10 preset stations. Listen to the tuner, preset stations and adjust your bass equalizer frequency while you fast wind the tape by utilizing the convenient tuner/tape switch. The HPL-130 is permeated by other innovative ideas like Signal Processor Circuitry, a stereo pair of auxiliary input/output jacks, with adjustable gain, permit connection of any external signal processing device and operation through the internal amp or any other external amplifier. Use Signal Processor Circuitry to add the Concord HPQ-90 DBX module (#240HPQ90, \$89) for decoding DBX recorded tapes.

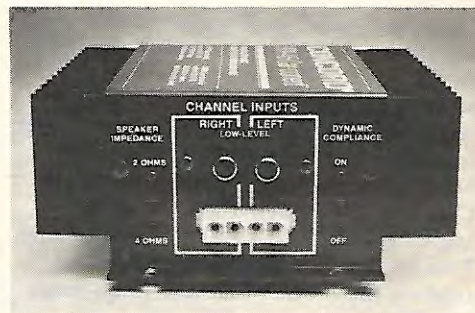
For the discerning tape audiophile who desires only the best in car stereo tape performance, Concord's HPL-508 offers the finest DC servo motor drive tape transport with variable speed control, x cut sen-alloy tape head, Dolby NR system, and high accuracy front load mechanism with auto eject. This machine has every relevant performance feature current to auto sound today and will sound great when connected to the HPA-45 Dynamic Compliance amplifier. Accepting high or low input to drive 2 to 4 ohm speaker loads, the HPA-45's Dynamic Compliance circuits act as an automatic equalizer to



Concord HPL-508 and the fully compatible HPA-45 main amplifier



Concord HPL-130



Control panel of the HPA-45

maximize your speakers' acoustic output. Invest in Concord and enjoy the finest in high fidelity sound reproduction today.

### Concord HPL-130

**SPECIFICATIONS:** Power output: 14 watts/channel into 4 ohms from 20 Hz to 20 kHz with no more than 0.8% THD; useable sensitivity: 11.2 dBf; stereo separation 35 dB tape signal to noise ratio: 56 dB; tape frequency response: 30 Hz-20 kHz; wow and flutter: .08% chassis size designation: C Warranty: B. List price: \$529.95.

**FEATURES:** Dolby B NR, tape equalization, auto repeat play, auto/power off eject, sen alloy tape head, separate bass and treble, selectable bass equalizer

frequency, loudness, dual amp balancer, scan tuning, 10 station presets, stereo/mono, lo/dx, muting, blend, tuner/tape switch, Signal Processor Circuitry, adjustable preamp output gain controls.

#240HPL130 OUR PRICE: \$429

### Concord HPL-508

**SPECIFICATIONS:** Useable sensitivity: 11.2 dBf; stereo separation: 35 dB; tape signal to noise ratio: 56 dB; tape frequency response: 30-20 kHz wow and flutter: .08%; chassis size designation: C; warranty: B. List price: \$369.95.

**FEATURES:** Dolby B NR, tape equalization, power off eject, variable tape speed, x-cut sen alloy tape head, separate bass and treble, selectable bass and treble equalizer frequency, electronic biamp crossover (1500

Hz), loudness, adjustable preamp output gain controls, dual amp balancer, tuner/tape switch, stereo/mono, LO/DX, muting.

#240HPL508 OUR PRICE: \$299

### Concord HPA-45

**SPECIFICATIONS:** Power output: 20 watts per channel into 4 ohms from 20-20,000 Hz at 0.06% THD; signal to noise ratio: 86 dB; input sensitivity: 800 millivolts; dimensions: 6" x 2" x 5 1/2". One year warranty. List price: \$169.95

**FEATURES:** Dynamic Compliance Circuitry, speaker load selector (2 or 4 ohms), HI/LO level inputs, remote on/off power control, short circuit protection

#240HPA45 OUR PRICE: \$129





## Sony Soundfield System

The heart of the Sony Soundfield System is Sony's Bass Drive, built around the extraordinary XS-L20 8" super woofers and the potent XM-120 component amplifier. In the Soundfield System the XM-120 is used to drive the XS-L20s only, with 60 watts of pure power concentrating on bass tones below 100Hz. A second amp is employed to handle music above 100Hz. Choose the traditional XM-55 or the sophisticated XM-E7 as your second amp. Both incorporate a subsonic filter that relieves the burden that low frequencies place on your smaller speakers.

### Sony XM-120

**FEATURES:** DIN, RCA and speaker level input; adjustable input sensitivity; bass boost +3, +6dB at 80 Hz; treble boost +3, +6 dB at 12 kHz; Bass drive.

**SPECIFICATIONS:** power output: 60 watts per channel into 4 ohms from 20-20,000 Hz with no more than 0.1% THD; input sensitivity: 70 millivolts to 2 volts adjustable; signal to noise ratio: 92dB; dimensions: 1 3/4"x 7 1/2"x 10 1/4". One year warranty. List Price \$329.95

#158XM120 **OUR PRICE \$279**

### Sony XM-E7

**FEATURES:** 7 band equalizer; EQ defeat; subsonic filter; left and right channel fader; preamp output; D.I.N., R.C.A. and speaker level input; adjustable input sensitivity.

Typical Soundfield System featuring the XM-120, XM-E7, XS-L20s and XS-301 5 1/4" two way flush mount speakers.



Control panel of the XM-120

**SPECIFICATIONS:** Power output (channels x watts): 2 x 19.2; signal to noise ratio: 84 dB; speaker load: 2 ohms; input sensitivity: 2v-3.5v dimensions: 5 1/2"x 1 3/4" x 6". List Price; \$199.95

#158XME7 **OUR PRICE: \$169**

### Sony XR-70

The front end of a Sony component system is the red hot XR-70 which you can get in either black or silver. You get precise quartz crystal frequency synthesis tuning with automatic scan and ten preset stations. You also get a smooth tape player with Dolby NR, metal tape equalization and automatic music sensor (AMS). Separate bass, treble and loudness controls are the icing on the cake. A special preamp fader lets you fade between two outboard amplifiers.

**SPECIFICATIONS:** usable sensitivity: 13.0 dB; stereo separation: 40 dB; tape



signal to noise ratio: 66 dB; wow and flutter: .10%; tape frequency response: 30-18,000 Hz; chassis size designation: C. List price: \$449.95.

#158XR70 (silver) **OUR PRICE: \$359**

#158XR70B (black) **OUR PRICE: \$369**

## Sony XE-9B

The XE-9B is a sleek nine band passive equalizer that connects between the XR-70\*, and one of the Sony component amplifiers via DIN cords. List Price \$129.95. Dimensions: 5 1/2" x 1 1/2" x 7 1/8". List price: \$129.95.

#158XE9B **OUR PRICE \$109**

## Sony XM-55

**FEATURES:** Three way inputs including Sony DIN, RCA and speaker level with adjustable gain. The bass drive switch and subsonic filter switch allow it to be used in either end of a biamped subwoofer system.

**SPECIFICATIONS:** power output: 14 watts per channel into 4 ohms from 40-20,000 Hz with no more than 0.5% THD; signal to noise ratio: 84 dB; input sensitivity: 100 millivolts to 2 volts adjustable. Dimensions: 1 3/4" x 5 1/2" x 6". One year warranty List price: \$139.95.

#158XM55 **OUR PRICE: \$119**

## Sony XT-11

Now you can have state of the art Sony performance without the potential aggravation of an in-dash installation. The XT-11 component tuner features quartz crystal frequency synthesis, memory presets for 6 FM plus 6 AM stations, LED signal strength meters, automatic scan tuning and a built-in quartz clock. List price \$349.95

**SPECIFICATIONS:** Usable sensitivity, 12 dBf; stereo separation 51dB. Dimensions: 5 3/4" x 1 1/2" x 7".

#158XT11 **OUR PRICE: \$299**

## Sony XM-25 (not shown)

**FEATURES:** RCA type preamp input jacks, adjustable input sensitivity.

**SPECIFICATIONS:** power output: 4 watts per channel into 4 ohms at .8% THD. Dimensions: 1 1/2" x 3 3/4" x 4 3/4". List price: \$59.95.

#158XM25 **OUR PRICE: \$49**

## Sony XK-25

The XK-25 component works in tandem with the XT-11. The rugged auto-reverse transport and the unique ferrite and ferrite dual head system treat your precious tapes with respect. A frequency generator DC servo motor insures tape speed accuracy and ultimate reliability. Dolby NR and metal tape equalization silence the hiss. Separate bass, treble and loudness controls give you the chance to sweeten the sound to suit your musical taste. List price \$349.95.

**SPECIFICATIONS:** Signal to noise ratio; 60 dB; frequency response: 20-18,000 Hz; wow and flutter: .1%. Dimensions: 5 5/8" x 1 3/4" x 7 1/8"

#158XK25 **OUR PRICE: \$299**

## Security Racks

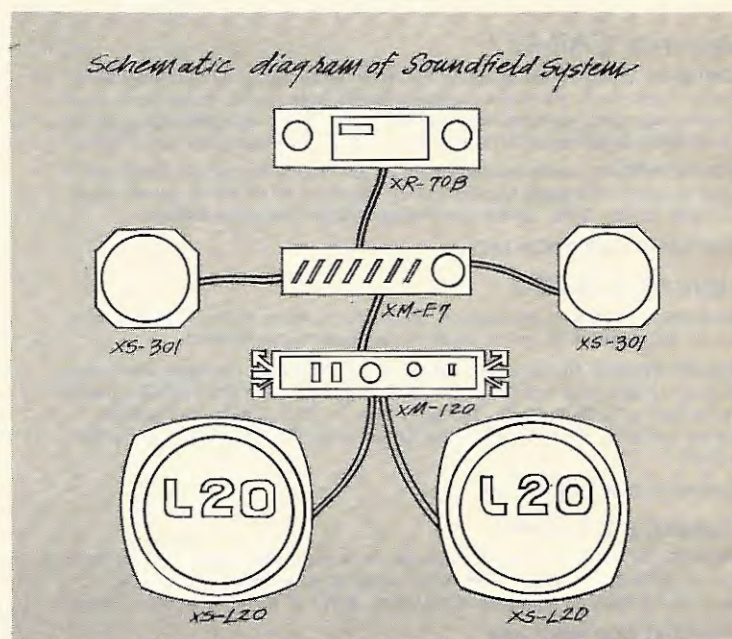
If you crave a high end car stereo system but you're afraid it might be vulnerable to theft you can buy the XT-11 and/or XK-25 and put them in the GM-30 security rack. It's a rugged slide mount housing that can be easily removed for safe keeping thanks to the automatic plug-in wiring harness. You can buy additional slide brackets if you intend to use the system in a boat or a second vehicle as well. List price: \$79.95

#158GM30 rack **OUR PRICE: \$66**

#158GM30A extra bracket **OUR PRICE: \$25**

## Sony Accessories

#158RC5	Sony DIN to RCA male adapter	\$10
#158RC11	Sony DIN to female RCA adapter	\$10
#158RC7	3' extension, Sony DIN to Sony DIN	\$10
#158RC120	18' heavy gauge Sony DIN extension for Sony amplifiers	\$25
#158XA21	Dual amp balancer for Sony components with DIN cord	\$39
#158XA70	Front/rear fader. Accepts 25 watts per channel	\$26
#158XA20	Dual amp balancer with RCA input and output jacks	\$23







Marantz SA-250 Equalizer and CAR-427 component front end

## Marantz System

Long regarded as the Rolls Royce of component car stereo. The Marantz CAR-427 still exemplifies a natural mixture of pure luxury and audiophile performance. You command the Computuner® to scan all frequencies or just those you have preset in its memory while the digital fluorescent display automatically adjusts to ambient light intensity. Enjoy clear FM reception while Atmospheric Interference Rejection and Dolby NR FM circuitry optimize reception over a wide variety of conditions. Equalizing this tuner's quality, Marantz has crafted the CAR-427's cassette section with Dolby B Noise Reduction, tape equalization, and selectable auto-reverse or auto-eject.

You will also want to add the SA-250 equalizer/amp to maintain full control over your music. Adjust the SA-250's seven equalizer bands to optimize your speakers in any auto environment, while satisfying your personal musical tastes. The SA-250 also has preamp outputs so you can bypass its power amp and plug in the SA-2040 power amp for higher power, four speaker applications. Buy the Marantz System for the satisfaction of owning the best. Warranty: 90 days labor, 1 year parts.

### Marantz CAR-427

**FEATURES:** Dolby NR on tape and FM, tape equalization, sendust alloy head, quartz digital clock, ten station memory tuning, scan tuning, preset scan, auto reverse, auto eject, pre-amp fader, separate bass, treble and midrange controls, Atmospheric Interference Rejection, auto display brightness, AM stereo ready.

**SPECIFICATIONS:** usable sensitivity: 11.25 dBf; stereo separation: 34dB; tape signal to noise ratio: 62dB tape frequency response: 40-19,000 Hz (metal tape); wow and flutter: .15%; chassis size designation: D. List price: \$362.00

#200CAR427 OUR PRICE: \$329

### Marantz SA-250

**FEATURES:** 7 bands of equalization, hi/lo input, preamp output, speaker fader, auto on/off, dual L.E.D. power display, equalization on/off switch.

**SPECIFICATIONS:** 15 watts per channel into 4 ohms both channels driven from 50 Hz to 15 kHz with less than 0.8% THD; signal to noise ratio: 92 dB equalizer tone action:  $\pm 12$  dB at 50 Hz, 350 Hz, 1 kHz, 2.5 kHz, 6 kHz, and 16 kHz; preamp out level: 500 mV/1.5k ohms; Dimensions: 6 1/4" x 1 1/2" x 5 1/2". List price: \$170.00

#200SA250 OUR PRICE: \$119

### Marantz SA-2040

**SPECIFICATIONS:** 10 watts x 4 channels into 4 ohms all channels driven from 30 Hz to 20 kHz with less than 0.5% THD; signal to noise ratio: 92 dB input sensitivity: 95 mV at 10k ohms; dimensions: 2 3/4" x 2" x 9 3/4". List price: \$160.00.

#200SA2040 OUR PRICE: \$59



Pioneer CD-5, KEX-20, GM-4 and GM-120 car stereo components

## Pioneer System

Superior FM performance, excellent reliability and ease of installation are the hallmarks of the Pioneer Component system. As is the case with any component system all you need to get started is a "front end," in this case the KEX-20, and one amplifier, perhaps the compact GM-4. You can build a super system, piece by piece as your finances allow. The complete system includes the CD-5 equalizer/dual amp balancer and a second amplifier, like the powerful GM-120.

The KEX-20 features all electronic Supertuner II® circuitry which automatically narrows stereo separation and attenuates high frequency response to give you clean FM in "fringe" areas. You also get a total of 15 preset stations, separate bass and treble controls, Dolby NR and tape equalization.

The CD-5 is a seven band equalizer with a built-in dual amp balancer designed for use with Pioneer amplifiers only.

### Pioneer KEX-20

**FEATURES:** Supertuner II® circuitry, 15 preset pushbutton tuning, separate bass and treble, Dolby NR, tape equalization

**SPECIFICATIONS:** Usable sensitivity: 16.8 dBf; stereo separation: 45 dB; tape signal to noise ratio: 60 dB; wow and flutter: .13%; tape frequency response: 30-15,000 Hz; chassis size designation: C; one year warranty. List price: \$299.95.

#130KEX20 OUR PRICE: \$259

### Pioneer GM-120

**SPECIFICATIONS:** power output: 30 watts per channel into 4 ohms from 30-20,000 Hz at 0.03% THD; signal to noise ratio: 75 dB; input sensitivity: 80 millivolts; dimensions: 7" x 2 3/4" x 8 1/4". Use with the KEX-20 only. One year warranty. List price: \$149.95. You may need the Pioneer five foot extension cable, #130CD115

#130GM120 OUR PRICE: \$129

#130CD115 OUR PRICE: \$9

### Pioneer GM-4

**SPECIFICATIONS:** power output: 10 watts per channel into 4 ohms from 30-20,000 Hz at 0.3% THD; signal to noise ratio: 70 dB; input sensitivity: 80 millivolts; dimensions: 6" x 1" x 5 1/2". Use with KEX-20 only. One year warranty. List price: \$69.95.

#130GM4 OUR PRICE: \$64

### Pioneer CD-5

**FEATURES:** passive seven band equalizer with built-in dual amp balancer for use with Pioneer components only. Dimensions: 5 1/2" x 2" x 6 1/2". One year warranty. List price: \$129.95

#130CD5 OUR PRICE: \$114



## COMPONENT AMPLIFIERS

### Spectron Amplifiers

The glory years of the American hot rod are gone forever. These days if you crave a genuinely hot car you cruise with a genuinely hot car stereo. The key to a genuinely hot car stereo is clean high power. Just as a hot rod engine needs high horsepower to go faster and jump like greased lightning when you step on the gas, a car stereo system needs high power to play louder and to respond more accurately to the dynamics of the music.

Spectron component amplifiers give you all the power you will ever need in a compact chassis with protection from overvoltage, overheating and short circuit conditions.



Two Spectron 602 amps  
in AR2 mounting plate

#### Spectron 600

**SPECIFICATIONS:** Power output: 50 watts per channel into 4 ohms, both channels driven from 20-20,000 Hz with no more than 0.05% THD; power consumption: 30A max; input sensitivity: .8V for rated output. Dimensions: 3 1/4" x 7" x 5 1/2". Warranty: 3 years. List price: \$340.00.

#171600S OUR PRICE: \$279

#### Spectron 602

**SPECIFICATIONS:** Power output: 75 watts per channel into 4 ohms, both channels driven from 20-20,000 Hz with no more than 0.05% THD; input sensitivity: 1V for rated output; power consumption 40A max. Dimensions: 3 1/4" x 7 1/2" x 5 3/4". List price: \$450.00.

#171602S OUR PRICE: \$374

#### Spectron 300

Line driver to interface low output radio/tape decks with Spectron amplifiers. List price: \$90.00.

#171300S OUR PRICE: \$79

#### Spectron 302 Preamp/Equalizer

**FEATURES:** tone controls at 60 Hz, 180 Hz, 16kHz; four audio outputs for multiple amplifiers; adjustable input sensitivity. Dimensions: 1 3/4" x 4 1/2" x 3 1/2". Three year warranty. List price: \$250.00.

#171302S OUR PRICE: \$209

#### Spectron 304

##### Electronic Crossover

**FEATURES:** Designed to match subwoofers with mini speakers such as the Spectron SP-700 or the Visonik

4200BL in a biamp system; four selectable crossover points from 80-200 Hz allow accurate speaker matching; 6 dB/octave roll off for woofer, 12 dB/octave roll off for mini speakers. Dimensions: 1 3/4" x 4 1/2" x 3 1/4". Three year warranty. List price: \$220.00.

#171304S OUR PRICE: \$184

### Spectron Accessories

- #171CCA Alpine pre out adapter . . . . . \$20
- #171CCB Blaupunkt DIN to 4 male RCA plugs . . . . \$35
- #171CCK Kenwood 311, 511, 721 pre out adapter . . \$20
- #171CCR 15' RCA to RCA male connection cord . . \$29
- #171CCM Mitsubishi CZ-747, CZ-725  
pre out adapter . . . . . \$35
- #171CCS Sony XR-70 pre out adapter . . . . . \$20
- #171AR1 Aluminum plate and hardware to  
mount one 600/602 . . . . . \$39
- #171AR2 Aluminum plate and hardware to  
mount two 600/602s . . . . . \$59
- #171AR3 Aluminum plate and hardware to  
mount three 600/602s . . . . . \$69
- #171VFP Vertical faceplate for 302 preamp . . . . \$29

### Linear Power Amplifiers

One year warranty.



#### Linear Power 601

The direct coupled, fully complementary design of the 601 results in low distortion and wide bandwidth. The unique no interactive protection system protects at high power levels without the distortion caused by standard current limiting protection circuits. The variable sensitivity control makes the 601 compatible with components as well as integrated stereos. Linear Power amps are made with pride in the U.S.A. To earn the Linear Power label each amp must survive hours of testing on Linear's automated burn-in rack. (RCA patch cords not included.)

**SPECIFICATIONS:** 30 watts per channel into 4 ohms, both channels driven from 20-20,000 Hz with no more than 0.15% THD; power consumption: 10A max. Dimensions: 8 1/2" x 2 1/4" x 6 1/2". List price: \$189.95

#116601 OUR PRICE: \$169

#### Linear Power 901

Like the 601, the Linear Power 901 uses direct coupled, fully complementary design



for low distortion and wide bandwidth. You will also benefit from the non interactive protection circuit and the infinitely variable sensitivity control. (RCA patch cords not included.)

**SPECIFICATIONS:** 45 watts per channel into 4 ohms, both channels driven from 20-20,000 Hz with no more than 0.15% THD; power consumption: 20A max. Dimensions: 7 1/8" x 4" x 6 5/8". List price: \$249.95

#116901 OUR PRICE: \$219



#### Linear Power 1501

The Linear Power 1501 is truly in a class by itself. You can hear the difference in the crispness of the cymbals, the spaciousness of the vocals, and the overwhelming knockout punch of the bass. Like the 601 and 901, the 1501 features Linear Power's unique non interactive protection system and infinitely variable sensitivity control for universal source compatibility. (RCA patch cords not included.)

**SPECIFICATIONS:** 75 watts per channel into 4 ohms, both channels driven from 20-20,000 Hz with no more than 0.15% THD; power consumption: 30A max. Dimensions: 7 1/8" x 3 3/4" x 9". List price: \$429.95.

#1161501 OUR PRICE: \$299

#### Linear Power EQ1

6-band passive equalizer. LED level display, black matte finish, adjustable sensitivity. List price: \$179.95

#116EQ1 OUR PRICE: \$149

#### Linear Power CSA

Current sensing adapter provides delayed turn on for amp. Reduces "thump." Highly recommended to protect your speakers.

#116CSA OUR PRICE: \$9



## Zapco System

The heart of the Zapco System is the Model 150H mobile power amplifier, which includes a power supply module and a power amp module. The heavy die cast power supply box prevents radiation of power supply switching noise and accompanying radio-frequency interference. Keeping the power supply separate from the amplifier also minimizes pickup of switching noise by the amp. The 150H puts out 75 watts per channel into 4 ohms from 35 Hz to 20 kHz with less than 0.2% THD. The model ESM (Energy Storage Module) increases this power specification to 83 watts per channel, adding a noticeable increase in headroom and transient capability. The model PEX (Passive Electronic Crossover) is available to provide superior performance in biamped systems. By splitting the signal into high and low frequency components, the PEX provides 6 dB of extra headroom with noticeable reduction in loudspeaker distortion. PEX crossover frequency is set by a convenient plug-in module (XFM); a 300 Hz module (XFM300) is supplied with the PEX, and other frequencies are available.

Enjoy precise tonal balance with a Zapco model PEQ Pre-amp Equalizer. The PEQ is an extremely high resolution instrument; it provides segment by segment control over the entire audible spectrum. There are nine separate segments, eighteen individual controls, and each can be adjusted separately for right and left channel matching. This same quality in design is carried through to materials and construction of each Zapco product. Military grade circuit boards, snap in connectors with gold plated contacts, and 1% accurate low noise metal film resistors are just a few examples of the care and expertise Zapco uses to provide you with the best equipment of its kind today.



### Zapco 150H Power Amplifier

**FEATURES:** Two piece modular design prevents RF interference, instant connect cables, massive custom extruded heat sinks, two stage power amp protection against environmental extremes and installation errors, high slew rate, low noise

**SPECIFICATIONS:** Power output: 75 watts per channel into 4 ohms from 35 Hz to 20 kHz with less than 0.2% THD (power output with ESM: 83 watts per channel); signal to noise ratio: 102 dB (below 25 kHz); input sensitivity: 2.5V/61.1 k ohms. Dimensions, power supply: 7"x 3 3/4"x 2 1/2". Dimensions, power amp: 5 1/4"x 3 1/4"x 5 1/2". Warranty: 1 year. List price: \$450.00

#242150H **OUR PRICE: \$349**

### Zapco ESM Energy Storage Module

**FEATURES:** Extends 150H full power bandwidth (16 Hz-20 kHz) to 83 watts per channel. Improves headroom and transient capability, instant connect cables. Dimensions: 5 1/4"x 3 3/4"x 1 1/4". Warranty: 1 year. List price: \$74.00

#242ESM **OUR PRICE: \$59**

### Zapco PEX Crossover

**FEATURES:** Passive electronic crossover for biamp systems, accepts XFM modules which determine crossover frequency, XFM300 module included. Dimensions: 5 1/4"x 3 3/4"x 1 1/4". Warranty: 1 year. List price: \$204.00

#242PEX **OUR PRICE: \$159**

### Zapco PEQ Equalizer

**FEATURES:** Nine frequency bands, right and left control for each band, muting switch, left and right input gain controls, output gain control, input/output clip LEDs, mounting bracket.

**SPECIFICATIONS:** Equalizer tone action:  $\pm 18$  dB at 50, 100, 200, 400, 800, 1600, 3200, 6400, and 12,800 Hz; signal to noise ratio: 86 dB Dimensions: 8 3/4"x 1 1/4"x 4 1/4". Warranty: 1 year. List price: \$320.00

#242PEQ **OUR PRICE: \$249**

### Also Available from Zapco

**AGM**—Automatic gain module for matching output of component front end to Zapco 150H amplifier when PEQ is not used. Dimensions: 4 1/4"x 2 1/4"x 1 1/4". List price: \$50.00. #242AGM **\$39**

**FH**—Heavy duty fuse holder for Zapco 150H amplifier's main power lead. Accepts AGU20 20 amp fuse. #242FH **\$9**

**AGU20**—Six pack of heavy duty 20 amp fuses. #242AGU20 **\$6.00**

**NST60**—Toroid noise filter for Zapco 150H amplifier's main power lead. Helps eliminate engine noise. #242NST60 **\$12.00**

**CO**—14 foot extension cable for signal input to Zapco 150H amplifier. #242CO **\$15**

**XFM**—Crossover frequency modules for Zapco PEX: #242XFM170, #242XFM200, #242XFM225, #242XFM275, #242XFM300, #252XFM325, #242XFM400, #242XFM500, #242XFM600 **\$12 each**



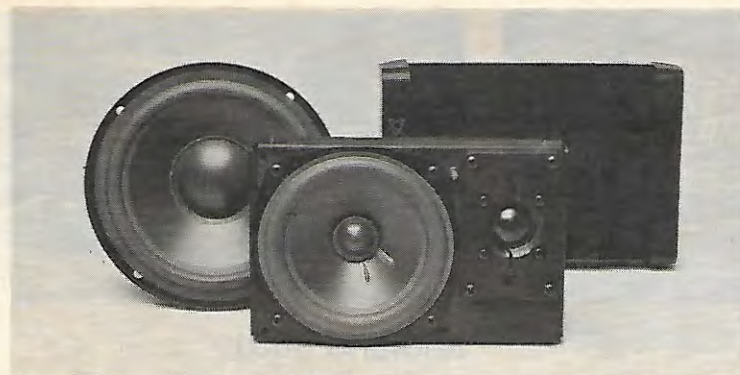
### Visonik A501E Power Amplifier

**FEATURES:** Selectable input sensitivity, short circuit and thermal overload protection, equalization switch for +6dB boost at 60Hz, connector included for monophonic operation, multi-ribbed heat sinks for better heat dissipation.

**SPECIFICATIONS:** Power output in stereo mode: 50 watts per channel into 4 ohms from 20 Hz to 20 kHz with no more than 0.1% THD; power output in mono mode: 80 watts into 4 ohms from 20 Hz to 20 kHz with no more than 0.1% THD; signal to noise ratio: 85 dB; input sensitivity: low level selectable is 100mV or 500mV at 10k ohms; high level is 2.5V at 100 ohms. Dimensions: 6 3/8"x 2 7/8"x 9 1/2". List price: \$250.00

#235A501E **OUR PRICE: \$219**





## Spectron Speakers

The polypropylene cones of these Spectron drivers offer low transient distortion, moisture resistance, and low mass/high compliance operation. Bass response is precise, devoid of "muddiness" characteristic of fiber/paper cones. A breakthrough in technology...and price.

SP700—5" polypropylene low frequency driver and 1 1/4" dome tweeter mounted on metal plate. Protected by fuse. List price: \$270.00.  
#171SP700 **OUR PRICE: \$239/PAIR**

SP6—polypropylene low frequency driver. List price: \$40.00.  
#171SP6 **OUR PRICE: \$39 EACH**

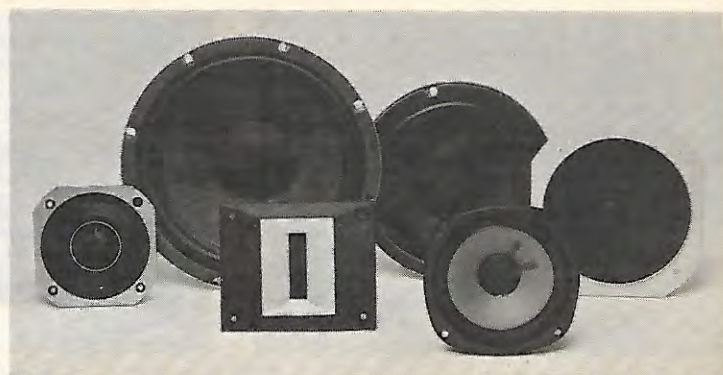
SP8—8" polypropylene low frequency driver. List price: \$50.00.  
#171SP8 **OUR PRICE: \$44 EACH**



## Sony XS-L20

The new XS-L20s were designed by Sony specifically for use with the XM-120 "Earthquake" amplifier in its bass drive mode where only frequencies below 100 Hz are fed to the speakers. Although they feature an 8" woofer cone they fit perfectly in a 6"x 9" factory opening. They also come with a lift ring adapter for maximum installation flexibility. If you want to really feel the thump of the bass drum or the swell of the pipe organ you need an "Earthquake" system. List price: \$199.95

#158XSL20 **OUR PRICE: \$149/PAIR**



## Ultimate Separate Drivers

Selecting a custom speaker system is simple and cost effective with these versatile drivers from Ultimate. Designed for pro-type installations where you're only limited by your imagination. Crossovers, wire and grills are sold separately.

UW8035—8" woofer, high-temperature 1 1/2" voice coil. List price: \$44  
#132UW8035 **OUR PRICE: \$35 EACH**

UW6525—6 1/2" woofer, high temperature 1 1/2" voice coil. List price: \$74  
#132UW6525 **OUR PRICE: \$62/PAIR**

BT4510—4 1/2" full range, 1" aluminum voice coil. List price: \$27.50  
#132BT4510 **OUR PRICE: \$24/PAIR**

5585J—5" midrange with grill, 1" voice coil. List price: \$39.50  
#1325585J **OUR PRICE: \$33/PAIR**

UT01A—Dyna-flat ribbon tweeter, high energy magnet. List price: \$62  
#132UT01A **OUR PRICE: \$49/PAIR**

TR3510—Textile dome tweeter, 1" high temperature voice coil. List price: \$62. #132TR3510 **OUR PRICE: \$37/PAIR**

## Pyle Crossovers

CX3W—3-way with volume controls for midrange and tweeter. Crossover frequencies: 800Hz and 5000Hz. 150 watt thermal protection, 6dB per octave, 8 ohm. List price: \$60.15.

#131CX3W **OUR PRICE: \$39 EACH**

X3W150—3-way, 150 watt, thermal protection. Crossover frequencies: 800Hz and 5000Hz. 8 ohm, 6dB per octave. List price: \$21.80 #131X3W150 **OUR PRICE: \$15 EACH**

X3W12D—3-way, 150 watt, thermal protection. Crossover frequencies: 800Hz and 5000Hz. 8 ohm, 12dB per octave. List price: \$38.30  
#131X3W12D **OUR PRICE: \$25 EACH**

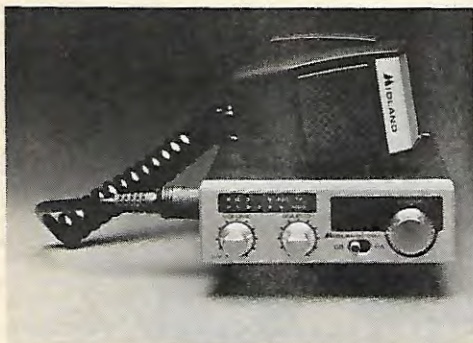
X2W150—2-way, 150 watt, thermal protection. Crossover frequency: 5,000Hz. 8 ohm, 6dB per octave. List price: \$19.15  
#131X2W150 **OUR PRICE: \$14 EACH**

## WIRE

#137SW1850 50' 18 gauge speaker wire ..... \$ 7.00  
#137SW1650 50' 16 gauge speaker wire ..... \$10.00

	Design Features	Frequency Response	Power Capacity	Impedance	Magnet Weight	Comments	A	B	C	D	E	Warranty	List Price	Our Price
Ultimate UW8035	8" woofer	45-3,000 Hz	100 watts	4 ohms	35 oz	Butyl surround	8 1/4"	7"	4 1/2"	3 1/4"	-	1 year	\$ 42.50	\$35 each
Ultimate UW6525	6 1/2" woofer	40-4,000 Hz	80 watts	4 ohms	25 oz	Butyl surround	6 1/2"	5 1/4"	4 1/2"	2 3/4"	-	1 year	\$ 74.00	\$62 pair
Ultimate BT4510	4 1/2" full range	60-15,000 Hz	35 watts	8 ohms	-	-	4 1/2"	4 1/4"	3 1/4"	1 1/2"	-	1 year	\$ 27.50	\$24 pair
Ultimate 5585J	5" midrange	200-10,000 Hz	50 watts	8 ohms	7 oz	integral grill	5 1/4"	4 1/4"	3"	2 1/4"	1"	1 year	\$ 39.50	\$33 pair
Ultimate UT01A	ribbon tweeter	3,000-45,000 Hz	120 watts	8 ohms	-	integral grill	4 1/4"	3 3/4"	3"	1"	1/4"	1 year	\$ 62.00	\$49 pair
Ultimate TR3510	3 1/2" dome tweeter	1,500-22,000 Hz	50 watts	8 ohms	10 oz	textile dome, integral grill	3 1/4"	3 1/4"	2 1/4"	1 1/4"	1/4"	1 year	\$ 44.30	\$37 pair
Spectron SP6	6" woofer	40-6,000 Hz	80 watts	8 ohms	-	polypropylene cone	6 1/2"	5 1/2"	4"	3"	-	3 years	\$ 44.00	\$39 each
Spectron SP8	8" woofer	30-5,000 Hz	80 watts	8 ohms	-	polypropylene cone	8 1/4"	7"	4"	3 1/2"	-	3 years	\$ 56.00	\$44 each
Spectron SP700	5" woofer, 1 1/4" tweeter	50-20,000 Hz	100 watts	8 ohms	-	polypropylene cone, fused	7 1/2"	5 1/4"	4 1/4"	1 3/4"	1 1/4"	3 years	\$270.00	\$239 pair
Sony XS-L20	8" woofer	50-4,000 Hz	60 watts	3.2 ohms	-	spacer ring included	7 3/4"	8 1/4"	4 1/4"	3 1/4"	1 1/4"	1 year	\$199.95	\$149 pair





## Midland 102M

The 40 channel 102M fulfills the need for a low cost, high quality CB that's small enough to fit under your dash without getting in your way. It gives you a large scale, easy-reading LED channel indicator and a high visibility electronic signal/power/modulation meter. List price: \$69.95

**MAJOR FEATURES:** Squelch, CB/PA switch, precision PLL tuner

**DIMENSIONS:** 1½ x 4½ x 7

#122102M **OUR PRICE: \$69**



## Midland 3001

The Midland 3001, with its bright green digital channel readout, is a pleasure to use night or day. Its transmitter stage is protected against mismatch, no load and short circuit conditions. The slide mount bracket makes it a snap to remove if you fear theft. List price: \$99.95.

**MAJOR FEATURES:** Automatic noise limiting filter, PA capability, AF gain, RF gain, LED channel indicator.

**DIMENSIONS:** 6½ x 2¼ x 7¼

#1223001 **OUR PRICE: \$79**



## Midland 5001

The Midland 5001 is one sophisticated yet surprisingly affordable CB radio. Like the 3001 it comes with a slide mount bracket for easy removal. Its convenient 9-19-NOR switch gives you instant access to channels 9 or 19 or normal operation. List price: \$159.95.

**MAJOR FEATURES:** Noise blanker, automatic noise limiter, Hi-Low tone switch, internal/external/PA speaker switch, built-in SWR calibration, microphone gain control, RF gain, AF gain, antenna warning indicator, fully protected transmitter stage.

**DIMENSIONS:** 7¼ x 2¼ x 8¼

#M5001 **OUR PRICE: \$119**



## Midland Ready Rescue

The 40 channel Ready Rescue, locked up in its carrying case stays out of sight in your trunk or under a seat. In an emergency it's ready in a matter of seconds. Place the magnetic antenna on the roof of your car, plug the power cord into your cigarette lighter receptacle and you're on the air! List price: \$99.95.

**MAJOR FEATURES:** A complete CB system that you can carry in a case for use in different automobiles.

**DIMENSIONS:** 7¾ x 3¾ x 1¾

#12277810 **OUR PRICE: \$79**



## Clarion Mike System

All of the Clarion Mike System's controls and digital readout are built into the handset. It uses your car stereo speakers for audio output. In the standby mode, it will interrupt your stereo program with any transmissions. Your mike system will be secure because its "guts" are mounted out of sight. You can disconnect the mike and lock it in your glove box for safekeeping. List price: \$199.00

**DIMENSIONS:** Remote dimensions: 7¾ x 1¾ x 6¾; Mike receptacle: 4¾ x 1¾ x 4

**EXTENSION CABLES:** #CBC001 4' \$14; #CBC002 8' \$17; #CBC003 15' \$21.

#020RCJ003 **OUR PRICE: \$134**





# ANTENNAS

## UNIVERSAL ANTENNAS

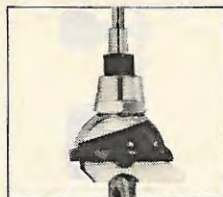


**Harada  
FMB-10**

**Universal Top  
Mount**

Black chrome mast,  
three section, 38"  
extension, 48" cable,  
1" mounting hole.

#095FMB10 \$12



**Harada  
FM-30**

**Universal Top  
Mount**

31" stainless steel  
whip, 54" cable, 1"  
mounting hole.

#095FM30 \$6

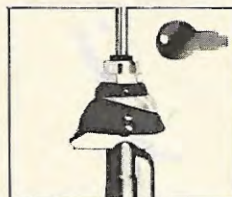


**Harada  
ST-13**

**Universal  
Top/Side Mount**

Three section, 53"  
extension, 54" cable,  
1" mounting hole

#095ST13 \$10

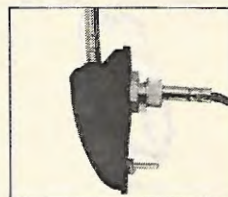


**Harada  
KL-08**

**Universal Top  
Key Lock**

Four section, 33"  
extension, 48" cable,  
9.5" under fender, 7/8"  
mounting hole.

#095KL08 \$9

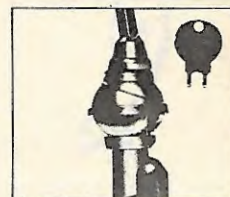


**Harada  
SM-40**

**Universal side  
mount**

Three section, 55"  
extension, 48" cable

#095SM40 \$9



**Harada  
KLB-15**

**Universal Top  
Key Lock**

Black chrome mast,  
Five section, 39"  
extension, 48" cable,  
9.5" under fender

#095KLB15 \$13

## UNIVERSAL ANTENNAS



**Bosch  
200141**

**Universal Top  
Key Lock**

Five section, 38"  
extension, 52" cable,  
9 1/2" under fender, 1"  
mounting hole

#170200141 \$16

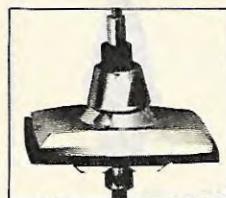


**Bosch  
200214**

**Top Key Lock**

black mast, four  
section, 29"  
extension, 46" cable,  
3/4" mounting hole,  
9 1/2" under fender

#170200214 \$18

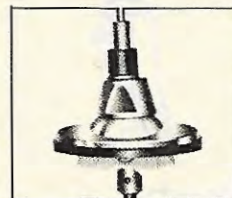


**Harada  
FM-80F**

**Ford '65-'80**

31" stainless steel  
whip, 72" cable

#095FM80F \$7.50

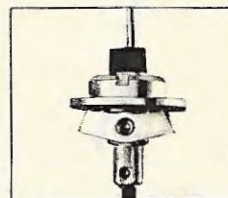


**Harada  
FM-81F**

**Ford LTD ('79-'81),  
all '81 Fords**

31" stainless steel, 72"  
cable

#095FM81F \$7.50



**Harada  
FM-85C**

**Chrysler '77-'81**

31" stainless steel  
whip, 80" cable

#095FM85C \$7.50



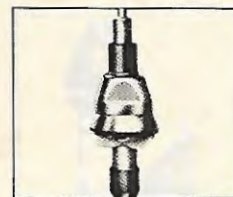
**Harada  
FM-90G**

**Chevrolet Trucks**

Three section, 55"  
extension, 72" cable

#095FM90G \$8

## DOMESTIC OEM ANTENNAS



**Harada  
FM-91**

**Narrow Fender GM**  
31" stainless steel  
whip, 72" cable

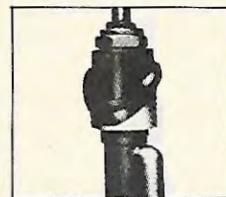
#095FM91 \$8



**Harada  
NL-16C**

**Plymouth Champ,  
Arrow, Pickup,  
Dodge D-50**  
Three section, 39"  
extension,

#095NL16C \$13



**Harada  
NL-17T**

**Toyota Corona and  
Cressida '79-'80**

Four section, 39"  
extension, 6" cable

#095NL17T \$13

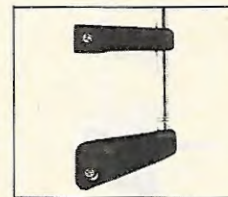


**Harada  
PM-21D**

**Datsun 200 SX (to  
'79), F-10, B210**

Three section, 42"  
extension, 51" cable

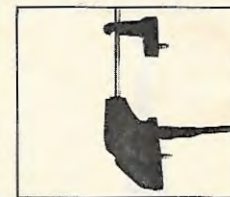
#095PM21D \$7.50



**Harada  
PM-71D**

**Datsun 510**  
three section, 55"  
extension, cable not  
included

#095PM71D \$6



**Harada  
PM-30**

**Subaru to '79,  
Mazda**

Three section, 55"  
extension, 48" cable

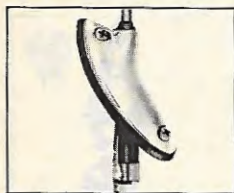
#095PM30 \$7.50

## IMPORTED ORIGINAL EQUIPMENT ANTENNAS



## ANTENNAS

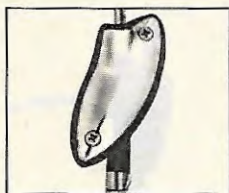
### IMPORTED OEM ANTENNAS



#### Harada PM-90H

Honda Civic to '79,  
Saab 99  
three section, 34"  
extension, 65" cable

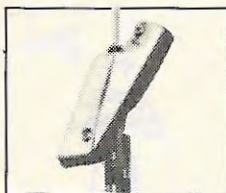
#095PM90H \$9



#### Harada PM-95H

Prelude, Civic 80-82  
Accord 76-81  
2 section, 37"  
extension, 75" cable

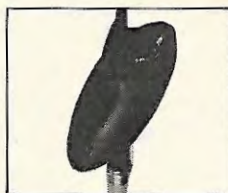
#095PM95H \$10



#### Harada PM-92H

Honda Accord '82  
2 section, 37"  
extension, 75" cable

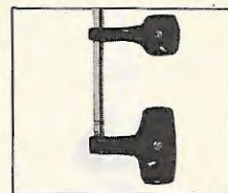
#095PM92H \$14



#### Harada PMB-95H

Prelude, Civic 80-82  
Accord 76-81  
Same as PMB-95H,  
Black mast

#095PMB95H \$14



#### Harada PM-58

Toyotas or  
Universal Side  
Mount  
Three section, 55"  
extension, 61" cable

#095PM58 \$6

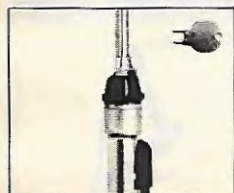


#### Harada PNL-18

80 Subaru, Toyota  
Corolla, Datsun 200  
SX hardtop  
three section, 42"  
extension, 77" cable

#095PNL18 \$9

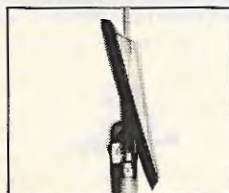
### IMPORTED OEM ANTENNAS



#### Harada KL-16F

Fiesta, Fiat,  
Scirocco, Rabbit  
(74-80)  
Five section, 39"  
stainless steel whip,  
48" cable

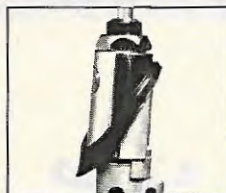
#095KL16F \$8



#### Harada PM-60M

Mazda 626,  
GLC 81-82  
one section, 35"  
extension, 82" cable

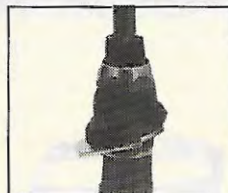
#095PM60M \$13



#### Bosch 200143

VW Beetle, 411  
Five section, 38"  
extension, 43" cable

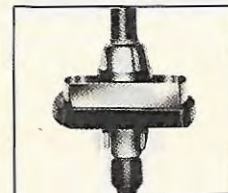
#170200143 \$16



#### Bosch 200145

75-80 Rabbit, Scirocco,  
Dasher, Fox,  
Mercedes & Opal  
Five section, 38"  
extension, 51" cable,  
9.5" under fender

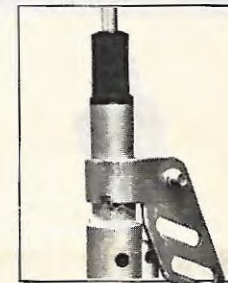
#170200145 \$17



#### Harada FM-70A

AMC and 81-82  
VW  
one section, 31"  
extension, 59" cable

#095FM70A \$7.50



#### Bosch 200151

BMW 530i  
Five section, 37"  
extension, 58" cable.

#170200151 \$19

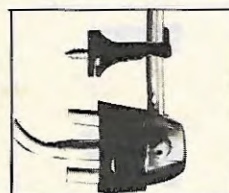
### IMPORTED OEM ANTENNAS



#### Bosch 200152

BMW 320i  
Five section, 37"  
extension, 58" cable

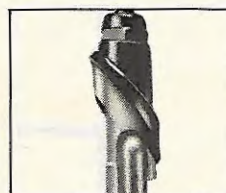
#170200152 \$19



#### Bosch 210031

BMW 2002  
Four section, 16"-57"  
extension, 43" cable

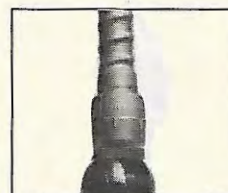
#170210031 \$17



#### Harada FM-09V

VW Beetle  
Three section, 36"  
extension, 41" cable

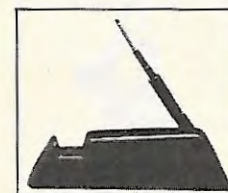
#095FM09V \$8



#### Bosch Auto Flex Special

Signal Boosting  
Antenna  
Can be swiveled up  
to 90°, 5/8" mounting  
hole, 18" mast, 52"  
cable.

#170270003 \$34



#### Hirschmann H-3800

Signal boosting  
surface mount  
(black)  
15" extension, 56"  
cable

#100H3800 \$49



#### Hirschmann H-2900

Signal boosting  
top key lock  
Black mast, 15"  
extension, 56" cable,  
7" under fender, 5/8"  
mounting hole

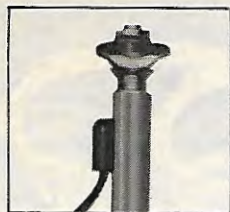
#100H2900 \$49

### ELECTRONIC BOOSTER ANTENNAS



# ANTENNAS

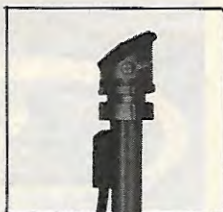
## MOTORIZED ANTENNAS



### Harada RX-10

Semi automatic with switch  
39" extension, 48" cable, 12" under fender

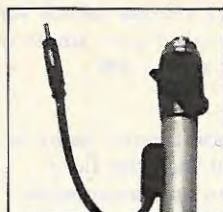
#095RX10 \$45



### Harada FA-27PK

Fully automatic for Porsche 911 (right side), 924, 928  
Black chrome mast, 36" extension, 56" cable

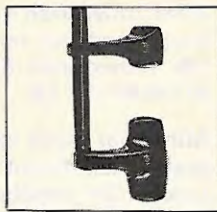
#095FA27PK \$99



### Harada RX-62D

Datsun 200 SX hatchback and hardtop  
orig. replacement, semi-automatic, six section,, 39" extension, 8" cable

#095RX62D \$59



### Harada TPB-10T

Universal pillar mount  
black chrome mast, 3 section, 57" extension, 78" cable.

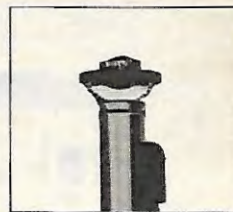
#095TPB10T \$32



### Harada TX-10

Semi automatic flush mount with switch, 42" extension, 59" cable, 12" under fender

#095TX10 \$69



### Harada TW-20

Fully automatic Remote motor, 59" extension, 42" cable.

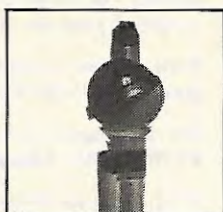
#095TW20 \$89



### Harada MO-61D

Datsun 240Z, 260Z, 280Z  
orig. replacement, semi-automatic, five section, 39" extension, 8" cable

#095MO61D \$46



### Bosch 240441 SU

Semi automatic with switch, four section autojet  
38" extension, 52" cable, 11" under fender

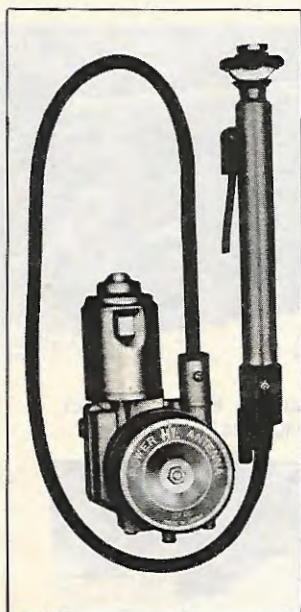
#170240441 \$52



### Hirschmann 6900

Semi automatic, with switch, signal boosting  
15" extension; black mast, 9" under fender

#100H6900 \$129



### Harada RW-20

Fully automatic, Remote motor  
39" extension, 48" cable

#095RW20 \$79

#### ALSO AVAILABLE:

**Harada RX-20**—Same as RX-10 but fully automatic. #095RX20 \$51.

**Harada RXB-20**—Same as RX-10 but fully automatic and black mast. #095RXB20 \$89.

**Bosch 24030B**—Same as 240441 SU with black mast. #17024030B \$54.

**Bosch 240448 BMW**—The Autojet for BMW 320i and 530i. #170240448 \$54.

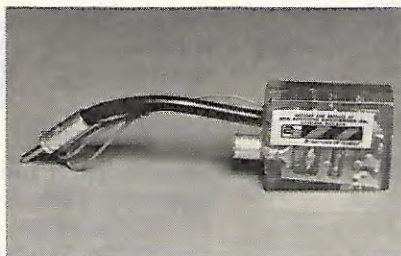
**Bosch 240461**—The fully automatic autojet. #170240461 \$99.

**Harada MO-674S**—Semi-automatic for Jaguars with remote motor. #095MO674S \$120.

## AM/FM/CB ANTENNAS

**ALSO AVAILABLE:** Harada TP-95H for '80-'82 Civic and '77-'81 Prelude and Accord, #095TP95H—\$32; Harada TX-20 fully automatic version of TX-10, #095TX20—\$79

## ANTENNA ACCESSORIES



**ASC 100** — The best FM signal booster on the market. By Antenna Specialist of course.

#170ASC100 \$22.

### Harada Mounting Head Kits

#095GH78— GM and narrow fender cars. \$2

#095CH78— Chrysler kit. \$2

#095UNH1— Universal mounting head. \$3

#095CHK1— Chrysler K cars. \$2

#1003905— Adapter head for H-2900. \$5

## ANTENNA CABLES

#095CR18 18" AM/FM.....	\$ 3.00
#095CR36 36" AM/FM.....	\$ 4.00
#095CR118 118" AM/FM.....	\$ 5.00
#170413775 Bosch cable 156" AM/FM .....	\$12.00
#095MCR10 157" cable for RX-10.....	\$ 7.50
#095MCR20 157" cable for RX-20, RW-20 .....	\$ 8.00
#095MCB40 180" cable for TX-10, TX-20, TW-20 .....	\$12.00

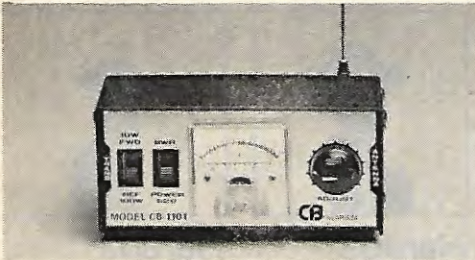
## ANTENNA REPLACEMENT MASTS

#095RXM5 for RX-10, RX-20 .....	\$12.00
#095RWM9 for RW-20 .....	\$15.00
#100R2900 for Hirschmann 2900 .....	\$10.00
#100R3800 for Hirschmann 3800 .....	\$10.00
#100R6900 for Hirschmann 6900 .....	\$18.00
#095TXM6 for TX-10, TX-20 .....	\$17.00
#095TWM10 for TW-20 .....	\$20.00



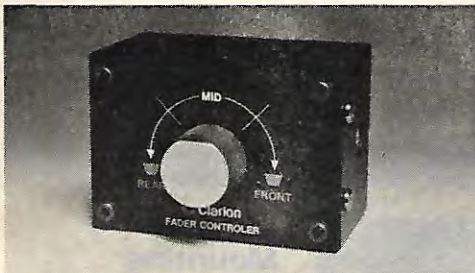
## ACCESSORIES

### SWR METER



Arista SWR Meter—A low standing wave ratio is imperative for safe, satisfactory CB performance. Protect against damage to the output stage of your CB.  
#019CB1101 \$29

### FADERS



Clarion High Power Parallel Fader—40 watts maximum. #020RKA055 \$25.00

Magnadyne Parallel Fader—50 watt per channel maximum input.  
#134AC40A \$18

Magnadyne Series Fader—50 watt per channel maximum input. Use safely with two pairs of 4 ohm speakers.  
#134AC46A \$20

Pioneer High Power Series Fader—Includes extra long wires for ease of installation. 25 watts maximum.  
#130AD940 \$24.

### CONVERTERS AND ADAPTERS



Vista 612B—Converts any 12 volt positive ground system to negative ground. Also converts 6 volt negative ground systems to 12 volt negative ground. 3.5 amp rated.  
#234612B \$26.

Vista 612C—Same as 612B, for high power systems. 8 amp rated. #234612C \$59.

### QUICK RELEASE BRACKETS

Mini under-dash quick release mount for simple and safe removal of your stereo or CB. Dimensions: 5 7/8" x 1/2" x 3 5/8".  
#115MM150 \$6

Mini floor quick release mount. Same as under-dash mount but includes floor bracket for installation on transmission hump. #115MM154 \$7

Mini combination underdash or floor mount for CB with PL259 plug attached.  
#115254CB \$12

### TAPE/RADIO SWITCHES



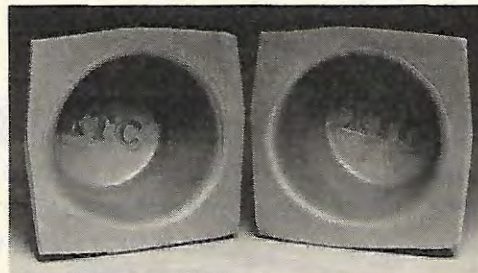
Multi-ground 2 speaker, 7 amp tape/radio switch with LED indicators.  
#237XT750 \$19.

Common ground two speaker, seven amp tape/radio switch.  
#237XT700 \$10.



Speaker spacer ring allows use of large magnet speakers in thin or shallow doors. Extends mounting depth by 1 3/8".  
#237XT500 \$15/pair.

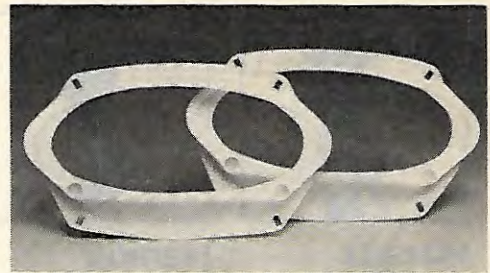
### ACOUSTIC BAFFLES



XTC acoustic baffles protect your speakers by eliminating water damage and by preventing dirt and dust from building up on the back of the speaker cone. They also improve door acoustics and will compress to fit almost all auto applications.

#237XT40 for 4" speakers.....\$6 per pair  
#237XT41 for 4" x 10" speakers .....\$8 per pair  
#237XT55 for 5 1/4" speakers .....\$6 per pair  
#237XT60 for 6 1/2" speakers .....\$8 per pair  
#237XT69 for 6" x 9" speakers .....\$8 per pair  
#237XT80 for 8" speakers.....\$9 per pair  
#237XT10 for 10" speakers.....\$9 per pair

### SPEAKER MOUNTING ACCESSORIES



101 Speaker Adapter — 4" x 10" to 6" x 9" speaker adapter. Permits installation of 6" x 9" speakers in a 4" x 10" cutout.  
#008101GMS \$12/pair.

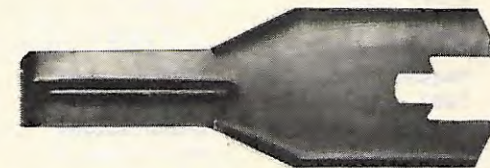
202 Speaker Adapter — Speaker adapter permits installation of 6" x 9" speakers in place of 6" x 8", 5" x 7" four hole and 5" x 7" two hole.  
#008202GMS \$12/pair.

Speaker mounting spring bracket — Hangs 4" x 10" or 6" x 9" speaker firmly in place without screws. For '78-82 GM cars. Please indicate the model of your car. #134GMC1 \$3/pair.

Ford speaker mounting straps for 6" x 9" speakers. #120815002 \$5/pair.

5 1/4" lift rings for Jensen speakers only.  
#134G515AD \$5/pair

6" lift rings for Pioneer speakers only.  
#130ADM16 \$7

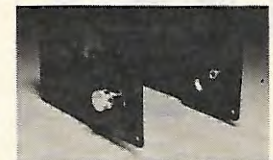


Window crank puller removes the clips used in American cars to secure window cranks and door handles. #250431 \$5.50



Speaker Enclosure — 6" x 9" speaker enclosure. #115MM842 \$19 each.

Mounting brackets for speaker enclosure.  
#115MM185 \$10 each.





## ACCESSORIES

### PATCH CORDS AND CABLES

#09030407	GC 3' standard RCA male to RCA male	\$ 4.00
#09030408	GC 6' standard RCA male to RCA male	\$ 5.00
#137AC236	Recoton 10' standard RCA male to RCA male	\$ 4.00
#09030409	GC 12' standard RCA male to RCA male	\$ 6.00
#137RBM20	Recoton 3' gold end RCA male to RCA male	\$ 8.00
#137RBM21	Recoton 6' gold end RCA male to RCA male	\$10.00
#130CD-115	Pioneer 5' extension cable for component amps	\$ 9.00
#137SW1850	Recoton 50' 18 gauge speaker wire	\$ 7.00
#137SW1650	Recoton 50' 16 gauge speaker wire	\$10.00
#171CCR	15' RCA to RCA	\$29.00

### SPECIAL ADAPTERS

#158XA-33	Sony amp to front end with preamp output	\$18.00
#158RC-5	Sony DIN to RCA male	\$12.00
#134AC15K	Common ground to floating ground adapter	\$ 9.00
#020CCA327	Clarion DIN to RCA male	\$ 6.00
#171CCB	Blaupunkt DIN to 4 RCA male	\$35.00
#171CCM	Mitsubishi DIN to 4 RCA male	\$35.00
#171CCS	Sony DIN to RCA	\$20.00
#170AD502	Double female RCA jack	\$ 2.00
#158RC11	Sony DIN to RCA female	\$12.00

### NOISE SUPPRESSORS

#09018252	GC filter choke	\$ 5
#09018242	GC 60 amp feed-through capacitor for GM alternators	\$ 5
#09018271	Heavy duty bypass capacitor for generators	\$ 2
#09018280	GC distributor suppressor	\$ 3
#09018284	Alternator noise suppressor	\$ 4
#09018292	GC spark plug suppressor (order 1 for each plug)	\$ 1 ea
#134AC12K3	Magnadyne filter choke for high power systems, 20 amp	\$15
#127ENF10	Pacific electronic noise filter 10 amp choke	\$17
#127ANS80	Pacific alternator noise suppressor	\$ 8
#127EIS100	Pacific electronic ignition noise suppressor	\$10
#127SNF1	Pacific source noise filter for suppressing noise caused by electric motors, lights, windshield wipers and other appliances	\$ 9
#130AD990	Pioneer in line filter choke	\$ 8
#130AD992	Pioneer ignition coil filter	\$10
#130AD307	Pioneer FM noise suppressor for units with suppressor jack	\$27
#127ECF1A	Pacific clock or memory wire filter choke	\$10

### PRERECORDED TAPE



### MOBILE FIDELITY Original Master Recordings

If you've purchased a top of the line car stereo system chances are that the weakest link in your audio chain is your software. Everyone knows about prerecorded cassettes that are mass produced at high speeds and sold in record stores for \$8.98. In a word, they sound awful. If you record your own albums on good home gear you're on the right track. However, we guarantee you've never heard anything quite like the Original Master Recordings from Mobile Fidelity Sound Labs. You get sound so pure, so clear, so accurate that you won't believe your ears.

Mobile Fidelity uses the original master tapes of well known artists' better albums to make a limited number of one-to-one real time copies on BASF Pro II cassette tape. Original Master Recordings have been a big hit in vinyl but until now they have not been available on tape. Nine titles are presently available. New introductions will be appearing shortly. **OUR PRICE: \$18 each.**

Original Master Recordings currently available:

- #138MOFI03 Steely Dan - *Aja*
- #138MOFI06 Pink Floyd - *Dark Side of the Moon*
- #138MOFI04 Supertramp - *Crime of the Century*
- #138MOFI01 Earl Klugh - *Finger Paintings*
- #138MOFI02 L.A. Philharmonic - *Star Wars*
- #138MOFI05 John Klemmer - *Touch*
- #138MOFI07 Cat Stevens - *Tea for the Tillerman*
- #138MOFI09 Kenny Rogers - *Greatest Hits*
- #138MOFI08 *The Power and the Majesty: breathtaking sound effects of trains and a storm.*

### BLANK TAPE

**BASF Pro-II C90**—90 minute chrome tape. \$3.75 each #014PROII or 10 for \$36. #014CPROII

**Fuji FX-II C-90**—90 minute high bias tape. \$4.25 each #072FXII OR 10 FOR \$40 #072CFXII

**Fuji Metal C90**—90 minute metal tape. \$7.50 each #072FUMET or 10 for \$70. #072CFUMET

**Loran LCH-60**—60 minute high bias tape. \$4.50 each #114LCH60 or 10 for \$42.50. #114CLCH60

**Loran LFE-60**—60 minute normal bias tape. \$4.50 each #114LFE60 or 10 for \$42.50. #114CLFE60

**Loran LCH-90**—90 minute high bias tape. \$6.00 each #114LCH90 or 10 for \$56.00 #114CLCH90

**Loran LFE-90**—90 minute normal bias tape. \$6.00 each #114LFE90 or 10 for \$56.00 #114CLFE90

**Maxell UDXLI**—90 minute normal bias tape. \$4.50 each #170UDXLI or 12 for \$47.50 #170CASEI

**Maxell UDXLII**—90 minute high bias tape. \$4.50 each #170UDXLII or 12 for \$47.50 #170CASEII

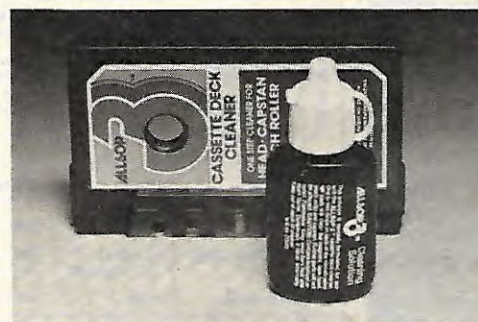
**Sony SHF90**—90 minute normal bias tape \$3.50 each 158 SHF90 or 10 for \$32.50 #158CSHF90

**Sony EHF90**—90 minute high bias tape \$3.75 each #158 EHF90 or 10 for \$35.00 #158CEHF90

**TDK SA-C90**—90 minute high bias tape, \$4.25 each #195SAC90 or 10 for \$37.50 #195CSAC90

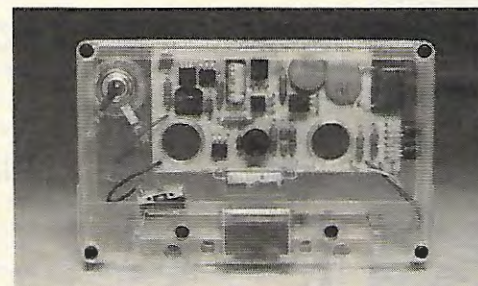
**TDK SA-XC90**—90 minute double coated high bias tape \$6.50 each #195SAXC90 10 for \$56.00 #195CSAXC90

### TAPE CARE



Allsop deluxe auto-reverse head cleaner — Includes cleaning cassette, special fluid and extra cleaning pads. A folding case means everything's there when you need it and discreetly out of sight when you don't. Our favorite for home or car.

#00271100 **\$14**



The TDK cordless cassette head demagnetizer should be used every other time you clean your machine. It will automatically remove residual magnetization from your tape head. Over a period of time a magnetized head will slowly damage your precious recordings. #195HD01 **\$23.00**



## HOME STEREO

The entertainment value of home stereo systems is greater than ever. Advances in electronics and spin-off technology from aerospace programs have made possible modestly priced components that are better than the records and broadcasts they reproduce: performance unattainable at any price just a few short years ago.

The components and ensembles on the following pages reflect the best of this new technology. Each selection shown passed our stringent standards for quality, reliability and value, assuring you of receiving the best buy for your budget, whether upgrading your present system or shopping for a complete ensemble (electronic components, speakers and custom cabinet).

Our specially trained telephone team will cheerfully offer advice for your buying decision and assist you when using your purchase, giving you the individual attention that makes Crutchfield legendary — before and after the sale. What's more, Crutchfield extends our famous Satisfaction Guarantee — a full thirty days to try out your new purchase in your home, where it

counts. If it doesn't meet your requirements you may return the item for exchange or refund at your option. Add it up. The best buys, super service and low prices — just a free phone call away at Crutchfield.

## ENSEMBLES

Complete systems made by a single manufacturer are easily set up, are very attractive and sound great simply because the manufacturer has optimized the interface of all the components, ruling out any compatibility problems. All the ensembles offered in our catalog are true high fidelity reproduction systems including high quality turntables with belt or direct drive and magnetic phonograph cartridges, a cassette section for producing your own cassette recordings (of better quality than many prerecorded tapes!), tuners with state of the art performance, amplifier/speaker combinations that balance power and efficiency to yield thrilling sound levels, and a custom cabinet to show off and protect your audio investment. Crutchfield is proud to offer you the opportunity to purchase one of these fine ensembles — we know you'll be proud to own one.

## COMPONENTS

Many hi-fi shoppers prefer to choose their own personalized system from a variety of components. Others already own systems but would like to add a new dimension or replace a "weak link." Still others prefer to space the purchase of a complete system over time by starting with a receiver and headphones, then adding speakers, turntable and tape deck as their budgets permit. All of these shoppers can find just what they need in our broad selection of receivers, amps, tuners, turntables, tape decks, speakers, equalizers and accessories.

## PORTABLES

Our portable selection ranges from small stereos designed for private listening to powerful but easily transported systems capable of making a party anytime, anywhere. The versatility and convenience of today's models are amazing when you consider the reduced sizes and weights, but sound quality is bigger and better than ever. In these days of inflation, it's comforting to know that your dollar buys more than it did just a few years ago.

		PIONEER			HITACHI	SONY		SANSUI		
		Syscom 2200	Syscom 3300	Syscom 4400	Systematics 1250			SuperCompo 2500	SuperCompo 4500	SuperCompo 8500
AMPLIFIER	Model .....	SA-420	SA-520	SA-620	SR-2000	X05	X05	R-7	A7B	A9
	Warranty .....	2 years	2 years	2 years	3 years	1 year	1 year	2 years	2 years	2 years
AMPLIFIER	Power Output .....	21 watts	32 watts	45 watts	25 watts	18 watts	18 watts	45 watts	45 watts	65 watts
	driven from .....	30-20kHz	20-20kHz	20-20kHz	40-20kHz	40-20kHz	40-20kHz	20-20kHz	20-20kHz	20-20kHz
AMPLIFIER	into .....	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
	no more than .....	0.1% THD	0.03% THD	0.03% THD	0.3% THD	0.8% THD	0.8% THD	0.05% THD	0.05% THD	0.05% THD
AMPLIFIER	Freq. Resp. ....	10-60kHz ±3dB	10-60kHz ±3dB	10-60kHz ±3dB	15-30kHz ±2dB	20-20kHz	20-20kHz	10-60kHz ±3dB	5-60kHz ±0.5dB, 2dB	5-70kHz ±0.5dB, 2dB
TUNER	Model .....	TX-520	TX-520	TX-720					T7B	T9
	Warranty .....	2 years	2 years	2 years					2 years	2 years
TUNER	Usable Sens. ....	0.95 uv	0.95 uv	0.95 uv	1.9 uv	2.0 uv	2.0 uv	1.9 uv	1.8 uv	1.8 uv
	FM Freq. Res. ....	30-15kHz +0.5dB, 1dB	30-15kHz +0.5dB, 1dB	20-15kHz +0.2dB, 1dB	30-12k ±2dB	30-15kHz ±1dB	30-15kHz ±1dB	30-15kHz	30-15kHz	30-15kHz
TUNER	Stereo Sep. ....	40dB	40 dB	40 dB	40dB	45 dB	45 dB	40 dB	40 dB	40 dB
TURNTABLE	Model .....	PL-220	PL-220	PL-420	HT20R	PS150	PS150	FRD-35	FRD35B	FRD-55
	Warranty .....	2 years	2 years	2 years	1 year	1 year	1 year	2 years	2 years	2 years
TURNTABLE	Type .....	fully automatic belt drive	fully automatic belt drive	fully automatic direct drive	semi automatic belt-drive	semi automatic direct drive	semi automatic direct drive	semi automatic direct drive	semi automatic direct drive	fully automatic direct drive
	Wow/Flutter ..	0.045%	0.45%	0.01%	0.05%	0.03%	0.03%	0.025%	0.025%	0.025%
TURNTABLE	S/N Ratio .....	70 dB	70dB	78 dB	70dB	72dB	72dB	72 dB	72 dB	72 dB
	Tone Arm .....	polygraphite straight arm	polygraphite straight arm	polygraphite straight arm	straight, static balance	straight static balance	straight static balance	S-shaped	S-shaped	dynaoptimum bal., straight
TURNTABLE	Cartridge .....	PC-220 moving magnet diamond stylus	PC-220 moving magnet diamond stylus	PC-3CMC moving coil diamond	MT-35 dual mgnt diamond; 10-25kHz	magnetic 20-20kHz	magnetic 20-20kHz	induced mgnt diamond 20-20kHz	induced mgnt diamond 20-20kHz	
CASSETTE	Model .....	CT-320	CT-520	CT-620	DE-10	X05	X05	D150MS	D300MB	D300MS
	Warranty .....	2 years	2 years	2 years	1 year	1 year	1 year	1 year	1 year	1 year
CASSETTE	Wow/Flutter ..	0.05%	0.05%	0.05%	0.07%	0.05%	0.05%	0.05%	0.05%	0.05%
	Freq. Resp. ....	20-17kHz	20-18kHz	20-18kHz	20-17kHz	30-17kHz	30-17kHz	20-17kHz	20-18kHz	20-18kHz
CASSETTE	Best S/N Ratio	68 dB	68 dB	68 dB	64 dB	59 dB	59 dB	68 dB	68 dB	68 dB
SPEAKERS	Model .....	CS-420	CS-520	CS-620	HSA-2081	SS-U350	SS-X150	S-47	S-47	S-57
	Warranty .....	2 years	2 years	2 years	3 years	2 years	2 years	3 years	3 years	3 years
SPEAKERS	Drivers .....	10 + 3	10 + 3 + 2%	10 + 4% + 2%	8 + 2½	8 + 3 + 2	6½ + 2	10 + 5 + 2	10 + 5 + 2	12 + 5 + 2
	Enclosure ....	two-way bass reflex	three-way bass reflex	three-way bass reflex	two way bass reflex	three way bass reflex	two way bass reflex	3-way acous. suspension	3-way acous. suspension	3-way acous. suspension
SPEAKERS	Freq. Resp. ....	40-20kHz	38-20kHz	35-20kHz	45-20kHz	50-20kHz	60-20kHz	30-22kHz	30-22kHz	30-22kHz
	Finish .....	rosewood vinyl	rosewood vinyl	rosewood vinyl	rosewood vinyl	walnut vinyl	walnut vinyl	walnut vinyl	walnut vinyl	walnut vinyl
SPEAKERS	Dimensions ..	22½"x 13"x11½"	24"x 13¼"x11½"	28½"x 14"x13½"	21½"x 13½"x10½"	25¼"x 14½"x10¼"	14½"x 8½"x9½"	24"x 14"x11½"	24"x 14"x11½"	26"x 15½"x13½"
CABINET	Model .....	CB-520	CB-720	CB-720	RK-7000			GX-65	GX-75	GX-95
	Features .....	glass door, casters	glass door, casters	glass door, casters	rosewood vinyl			dual glass doors	dual glass doors	glass doors & top
CABINET	Finish .....	rosewood vinyl	rosewood vinyl	rosewood vinyl	rosewood vinyl			walnut vinyl	walnut vinyl	walnut vinyl
	Dimensions ..	32½"x 19½"x16½"	48¼"x 19½"x16½"	48¼"x 19½"x16½"	20"x 29¼"x15¼"			29¾"x 18¾"x14¼"	35½"x 19"x14¼"	43¾"x 20½"x16¼"
PRICE	List .....	\$899.00	\$1149.99	\$1349.00	\$799.95	\$719.95	\$719.95	\$1130.00	\$1370.00	\$1910.00
	Ours .....	\$649*	\$829*	\$999*	\$499*	\$587*	\$587*	\$749*	\$899*	\$1349*



## HITACHI SYSTEMATICS 1250

Practical stereo system shoppers should consider the Systematics 1250. We couldn't believe the quality of construction, the features or the beautiful cosmetics that Hitachi has made possible in this price range. You get a slimline receiver that produces more than enough clean power to create impressive sound levels through the efficient two-way 8" speakers. The Vector Tuning System makes perfect tuning quick and easy. When you near a station, arrow shaped LEDs light up to tell you which direction to tune for perfect reception. Making your own recordings on the stereo cassette deck is just about as easy — the DE-10 is elegantly designed to perform with a minimum of fuss. Records are realistically reproduced by the premounted cartridge on the smoothly operating semi automatic turntable. And you won't have to figure out where to put your Systematics 1250 — it comes with a sturdy easily assembled cabinet that matches the speakers and complements the satiny gold finish of the electronic components. Systematics 1250 is as easy to use as it is to buy. All you have to do is plug it in — and enjoy.



The Systematics 1250 includes:

- #SR2000 25 watt per channel AM/FM stereo receiver
- #HT-20 semi-automatic turntable with premounted cartridge
- #DE10 stereo cassette deck with Dolby noise reduction
- #HSA2081 two-way 8" bookshelf speakers
- #RK7000 custom designed resewood grain cabinet (unassembled)

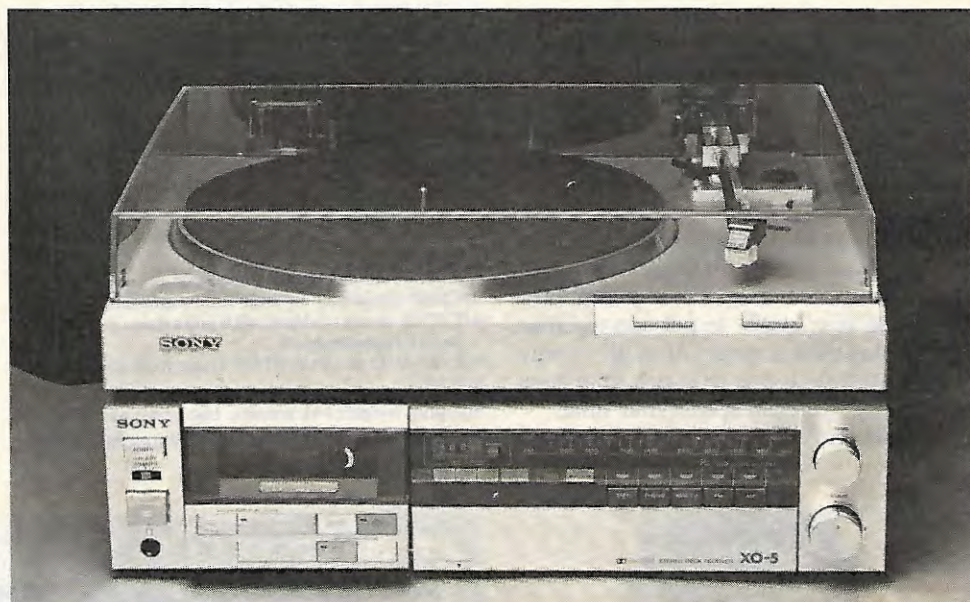
Shipping weight: 116 pounds.  
List price: \$609.90.

#096SY125R **OUR PRICE: \$499** freight collect\*

## SONY DECK RECEIVER SYSTEM

Sony's latest component is designed for modern life. By combining a feature packed AM/FM receiver with an advanced stereo tape deck, Sony has produced a graceful component perfect for college dorms, offices, studio apartments

and other locations where space is at a premium. Add a Sony turntable and Sony speakers and you have a complete system with all the technology, features and, most of all, the magnificent sound you associate with the name Sony.



### Sony X05 Deck Receiver

- Cassette section is feathertouch controlled, tape bias and recording level are automatically set, includes Dolby NR and two-motor tape drive
- Tuner features superb selectivity and sensitivity for clear reception
- Power amplifier produces 18 watts per channel to provide ample listening levels

Warranty: 1 year, dimensions: 17"x 14 1/4"x 16". List price: \$400.00

#156XO5 **OUR PRICE: \$329**

### Sony PS-150 Turntable

- semi-automatic direct drive with factory matched cartridge

Warranty: 1 year; dimensions: 17"x 4 1/8"x 13 3/8". List price: \$139.95

#156PS150 **OUR PRICE: \$119**

### SSX-150 Speakers

- Two-way bass reflex bookshelf system with 6 1/2" woofer and 2" tweeter

Warranty: 1 year; dimensions: 14 1/4"x 8 1/2"x 9 1/8".

List price: \$180.00

#156SSX150 **OUR PRICE: \$139**



### SSU-350 Speakers

- three way bass reflex system with 8" woofer, 3" midrange and 2" tweeter

Warranty: 1 year, dimensions: 25 1/4"x 14 1/2"x 10 1/4". List price: \$180.00

#156SSU350 **OUR PRICE: \$139**





## Syscom

When it comes to matching up hi-fi components, the job is frequently done by the person least qualified: you. With results that may leave something to be desired. Well, Pioneer now *has* something to be desired. It's called SYSCOM and it's a sophisticated component system designed by the world's foremost audio experts. Which means that each component is not only first rate, they're all matched for better overall sound. We offer Syscoms in a variety of arrangements and popular prices, each in its own fine furniture cabinet, to suit your living room as well as your standard of living. If you've always wanted a superior component system, but questioned your ability to put one together, then Syscom's the answer. After all — why spend your time trying to match up a great system when you can spend your time listening to one?

### Syscom 2200

- #PL220 fully automatic turntable with premounted cartridge
- #TX520 AM/FM stereo tuner with center of channel tuning indicator
- #SA420 stereo amplifier provides 21 watts per channel
- #CT320 cassette deck with Dolby noise reduction
- #CS420 two-way 10" bookshelf speakers
- #CB520 rosewood finish cabinet with glass door and sides (unassembled)
- Shown below with the #130DT510 audio timer (optional — add \$99)

Shipping weight: 115 pounds. List price: \$899.00

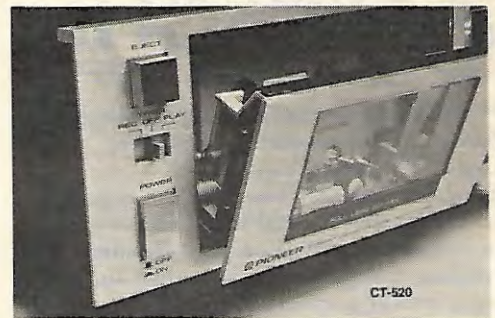
#130YS2200 **OUR PRICE: \$649** freight collect\*

### Syscom 3300

- #PL220 fully automatic turntable with premounted cartridge
- #TX520 AM/FM stereo tuner with center channel tuning indicator
- #SA520 stereo amplifier provides 32 watts per channel
- #CT520 full logic feathertouch control cassette deck
- #CS520 three-way 10" bass reflex speakers
- #CB720 vertical cabinet with glass door, easy-roll casters (unassembled)
- Shown with the #130DT510 timer (optional — add \$99)

Shipping weight: 141 pounds. List price: \$1,149.00.

#130YS3300 **OUR PRICE: \$829** freight collect\*



### Syscom 4400

- #SA620 45 watt per channel stereo amplifier
- #TX720 digitally synthesized tuner with preset stations
- #PL420 fully automatic direct drive turntable with moving coil cartridge
- #CT520 full logic cassette deck with Dolby noise reduction
- #CS620 three-way 10" bass reflex speakers
- #CB720 vertical cabinet with glass door, easy roll casters (unassembled).
- Shown below with the #130DT510 audio timer (optional — add \$99) and #130SG300 equalizer (optional — add \$149)

Shipping weight: 153 pounds. List price: \$1349.00.

#130YS4400 **OUR PRICE: \$999** freight collect\*



2200  
**\$649**  
FREIGHT  
COLLECT



3300  
**\$829**  
FREIGHT  
COLLECT



4400  
**\$999**  
FREIGHT  
COLLECT



## Sansui

### Supercompo

Putting together a complete, well-balanced high fidelity system used to involve a long selection process and a painful drain on your budget. You researched and listened and compared, and then hoped that the components you finally chose – at considerable cost – would sound good at home.

This is where Sansui's SuperCompo comes into the picture. SuperCompo is a line of component systems designed for the music lover: perfectly matched complete systems with the accent on performance and ease of use. Each component is an adaptation of the best of Sansui's advanced technology, conveniently packaged and perfectly matched.

Examine our selection: the value-packed SuperCompo 2500, the striking SuperCompo 4500, or the incredible SuperCompo 8500 which easily expands to include remote control convenience with the optional RS-7 infrared system. Order your SuperCompo today, and begin years of enjoyable listening from a system that's at home in any decor. From Sansui, where it's all Hi-Fi.

### SuperCompo 2500

- #R7 45 watt per channel AM/FM stereo receiver
- #FRD35 auto return direct drive turntable with cartridge
- #D150M soft touch metal compatible cassette deck
- #S47 three-way 10" acoustic suspension speakers
- #GX65 cabinet with double glass doors, walnut look finish (unassembled)

Shipping weight: 115 pounds. List price: \$1070.00.

#141SC2500 **OUR PRICE: \$749** freight collect\*

### SuperCompo 4500

- #A7B 45 watt per channel integrated DC-servo amplifier
- #T7B auto-tuning servo-lock FM/AM tuner
- #FRD35B direct drive auto-return/shutoff turntable
- #D300MB full logic cassette deck with Dolby noise reduction
- #S47 three way 10" acoustic suspension speakers
- #GX75 component cabinet with glass doors
- Shown below with the #141RG7B equalizer (optional – add \$219) and the #141AT15B timer (optional – add \$119)

Shipping weight: 132 pounds. List price: \$1355.00.

#SC4500 **OUR PRICE: \$899** freight collect\*

### SuperCompo 8500

- #FRD55C computerized track sequence fully automatic direct drive turntable with premounted cartridge
- #A9 65 watt per channel integrated DC-servo stereo amplifier
- #T9 digital quartz synthesizer AM/FM tuner
- #D300MS full logic metal compatible stereo cassette deck with Dolby noise reduction

- #S57 three-way 12" acoustic suspension speakers
- #GX95 vertical cabinet with dual glass doors, glass top and casters (unassembled)
- Shown below with the #141RG7S equalizer (optional – add \$219) and the #141RS7S remote control receiver and transmitter (optional – add \$199).

Shipping weight: 175 pounds. List price: \$1910.00.

#141SC8500 **OUR PRICE: \$1349** freight collect\*

### Sansui RS-7 Infrared Remote Control

Many of the components comprising our SuperCompo systems are ready to be remote controlled by the RS-7 Remote Control Transmit/Receive Unit. Using invisible infrared beams, from your armchair across the room you can turn the entire system on or off, select any input (phono, AM, FM, AUX, tape), operate the turntable and select bands in any order (FRD-55). Select preset stations both FM and AM (T-9) or tune sequentially, both FM and AM bands (T-7), and operate all the function controls of a cassette deck – even record, pause and REC Mute (D-300M). You can even adjust the volume level and turn the muting (audio) on and off. Listening has never been so convenient and relaxing. Available in silver or black. List price: \$240.00.

#141RS7 (silver), #141RS7B (black) **OUR PRICE: \$199**



2500  
**\$749**  
FREIGHT  
COLLECT



4500  
**\$899**  
FREIGHT  
COLLECT



8500  
**\$1349**  
FREIGHT  
COLLECT



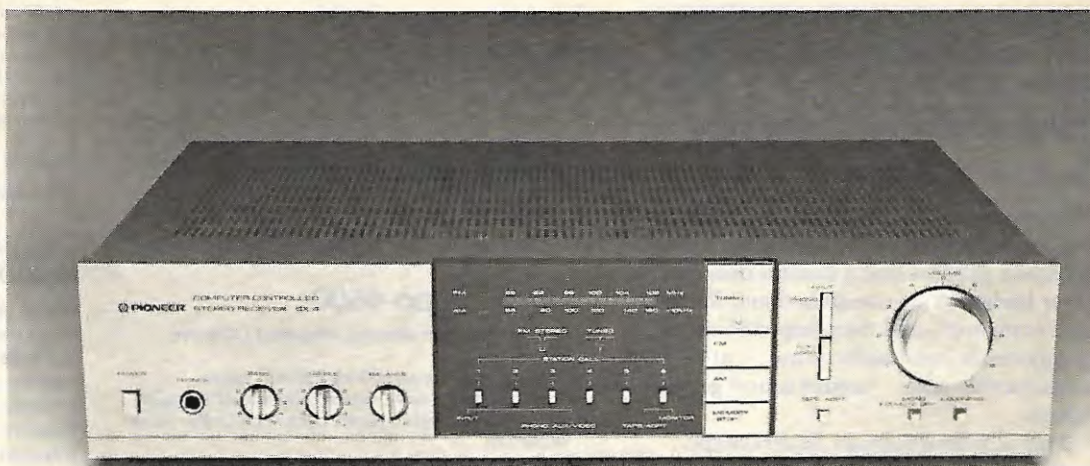
## RECEIVERS

### Pioneer SX-4 Receiver

Extraordinary in its sophistication is Pioneer's SX-4 receiver. The tuning dial consists of 16 LEDs along a calibrated scale. The SX-4 incorporates microcomputer controlled "Station Call" preset buttons or uses the innovative Station Scan mode to sample the entire broadcast band automatically. The power output is quite high for a receiver in this price range, making the SX-4 a great start for a high performance/low investment system. Warranty: 1 year. List price: \$250.00.

**FEATURES:** Computer controlled function switching, FM/AM scan tuning plus 6 AM/6 FM presets, 16 LED tuning dial, mono/mute off, tape monitor, loudness, LED indicators

#130SX4 . . . . . **OUR PRICE: \$209**



**SPECIFICATIONS:** Power Output: 20 watts per channel from 20-20,000 Hz with no more than 0.04% THD; Usable FM Sensitivity: 11.2 dBf; 50 dB Quieting Sensitivity: 16.3 dBf mono, 37.2 dBf stereo; FM Frequency Response: 20-15,000 Hz +0.5 dB, -1.0 dB; Stereo Separation: 40 dB; Dimensions: 16 1/8" x 5 1/2" x 14 1/8"

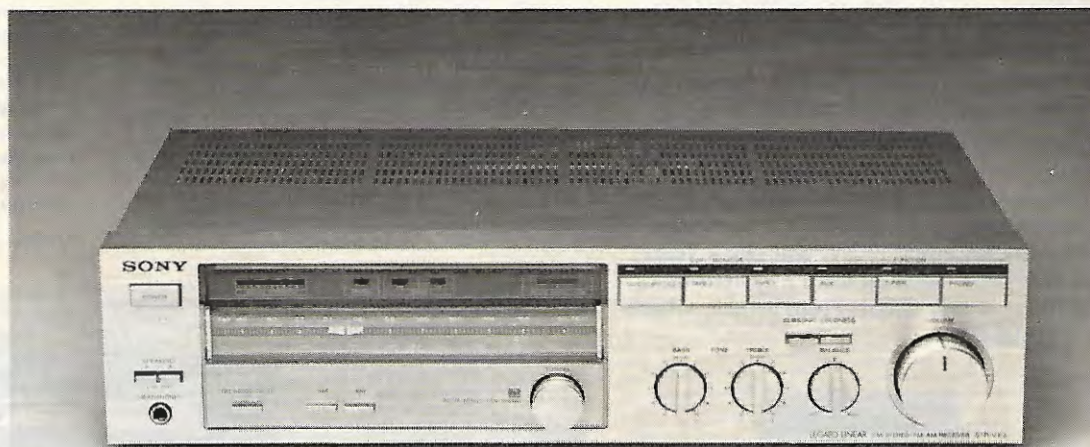
### Sony STR-VX3

Behind this handsome front panel, Sony has hidden some very sophisticated circuitry. By rethinking the tuner design, Acute Servo Lock was born to take full advantage of improvements in broadcasts now and in the future. And no other receiver at this price can match the extraordinary sonic clarity of the Legato Linear amplifier. A Sony thoroughbred to bring great music into your home. List price: \$330.00. Also available: STR-VX2 similar to above but fewer features and 28 watts per channel, list price: \$260.

**FEATURES:** Acute Servo Lock tuner, Legato Linear amplifier, LED in-tune display, subsonic filter, loudness control, two-tape monitors, FM Mode/Mute switch

#156STRVX3 . . . . . **OUR PRICE: \$259**

#156STRVX2 . . . . . **OUR PRICE: \$199**



**SPECIFICATIONS:** Power Output: 35 watts per channel from 20-20,000 Hz with no more than 0.008% THD; Usable FM Sensitivity: 11.2 dBf; 50 dB Quieting Sensitivity: 17.3 dBf mono, 38.3 dBf stereo; FM frequency response: 30-15,000 Hz +0.5, -2 dB Stereo Separation: 45 dB; Dimensions: 16 1/8" x 5 1/2" x 14 1/8"

### Marantz SR-3100

Traditional styling and the most desired features are skillfully blended by Marantz to produce the SR-3100. Honest audio performance thrills the listener while remaining surprisingly affordable. This Marantz Gold Receiver has so many refined touches we simply can't describe them all in this limited space. Let's just say the SR-3100 is the best we've seen in this buying class. Warranty: 3 years. List price: \$350.00.

**FEATURES:** Gold plated in/out jacks, midrange, bass and treble controls, LED power tuning and signal strength meters, switching for two pairs of speakers, Gyro-touch tuning

#200SR3100 . . . . . **OUR PRICE: \$259**



**SPECIFICATIONS:** Power Output: 35 watts per channel from 20-20,000 Hz with no more than 0.04% THD; Usable FM Sensitivity: 10.8 dBf; 50 dB Quieting Sensitivity: 14.2 dBf mono, 37.3 dBf stereo; FM Frequency Response: 30-15,000 Hz +0.5 dB, -1.0 dB; Stereo Separation: 45 dB; Dimensions: 18 1/8" x 5 1/2" x 12 3/4"





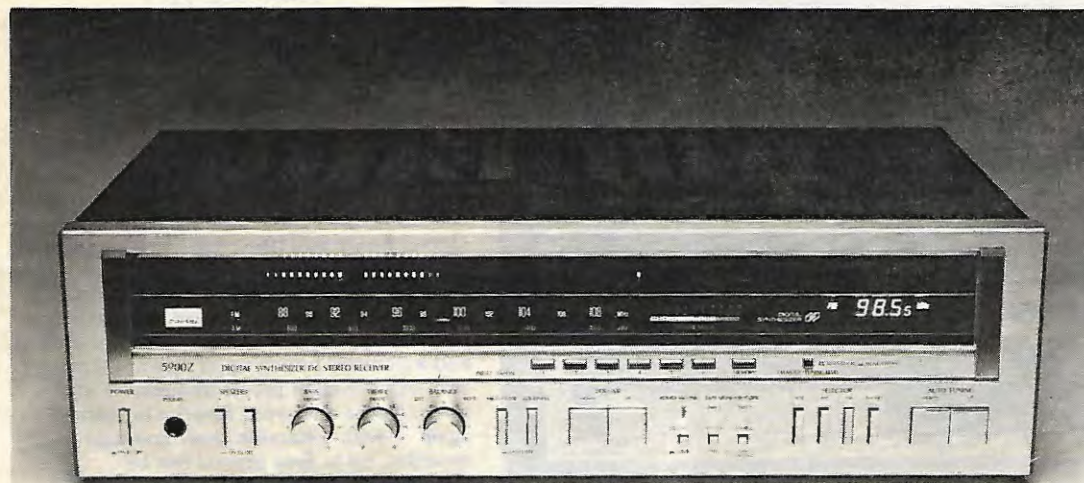
**SPECIFICATIONS:** Power Output: 60 watts per channel from 20-20,000 Hz with no more than 0.009% THD; Usable FM Sensitivity: 10.3 uV; 50 dB Quieting Sensitivity: 15.7 dBf mono, 37 dBf stereo; Stereo Separation: 45 dB; Dimensions: 16 1/2" x 5 1/2" x 14 1/2"

## Pioneer SX-7 Receiver

The SX-7 has flawless performance and sound quality. Function selection, muting and volume are all microcomputer controlled. The Quartz-PLL front end permits four tuning modes: manual, station scan, station search, and preset "Station Call." Circuitry-wise, the SX-7 is a titan. A high-gain phono preamp section allows the use of MM or low-output MC cartridges. With the extra power the purist needs, this top of the line Pioneer really "brings it back alive." Warranty: 1 year. List price: \$550.00.

**FEATURES:** Computer controlled volume, function switching, FM/AM tuning and preset stations; digital clock and frequency display, LED peak power meters, two tape monitors with tape copy, mono/mute off switch, subsonic filter

#130SX7 ..... **OUR PRICE: \$399**



**SPECIFICATIONS:** Power Output: 75 watts per channel from 20-20,000 Hz with no more than 0.03% THD; Usable FM Sensitivity: 10.8 dBf; 50 dB Quieting Sensitivity: 15 dBf mono, 37 dBf stereo; FM Frequency Response: 30-15,000 Hz +0.5 dB, -1.0 dB; Stereo Separation: 40 dB; Dimensions: 19 1/4" x 5 1/2" x 1 1/2"

## Sansui 5900Z Receiver

The 5900Z is a wedding of Sansui's finest tuner and amp technology. The DC-Servo power amp provides clean, uncolored response with enough power to punch. Tuning is accurate and convenient, thanks to a digital synthesizer and pushbutton auto-tuning. Warranty: 2 years. List price: \$600.00. Also available: 3900Z, most of the features and same specs as 5900Z except power output 40 watts/channel, list price: \$400.00

**FEATURES:** Synthesized frequency front end, DC-Servo power amp, 6 FM/6 AM preset stations, pushbutton auto-search tuning, touch volume control, two-deck dubbing, audio muting, loudness, high filter

#1415900Z ..... **OUR PRICE: \$399**  
#1413900Z ..... **OUR PRICE: \$279**



**SPECIFICATIONS:** Power Output: 75 watts per channel from 20-20,000 Hz with no more than 0.03% THD; Usable FM Sensitivity: 9.8 dBf; 50 dB Quieting Sensitivity: 13.2 dBf mono, 36.1 dBf stereo; FM Frequency Response: 30-15,000 Hz +0.5 dB, -1.0 dB; Stereo Separation: 45 dB; Dimensions: 16 1/2" x 4 1/2" x 15 1/4"

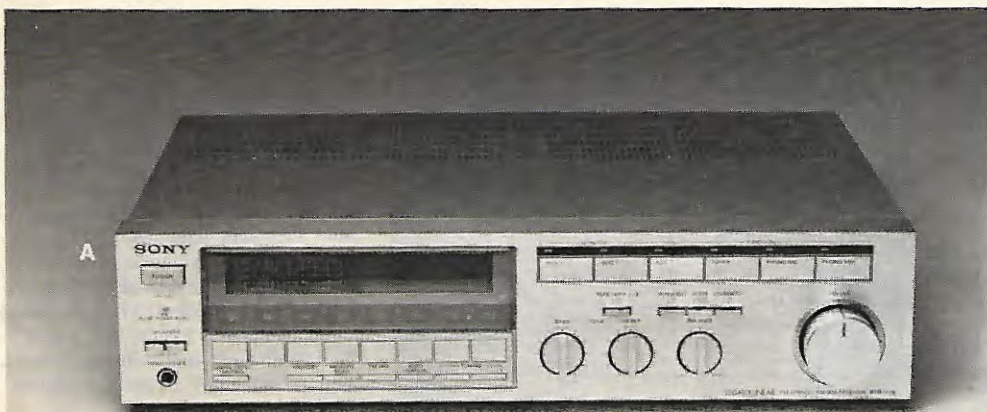
## Marantz SR-8100DC

We fell in love with the exceptional SR-8100DC for its beautiful finish, effortless operation and clean sound. And we consistently pulled in more stations with the Computuner than any other receiver tested. Marantz included every conceivable feature for performance and convenience. Sure, the SR-8100DC costs a little more, but the benefits are more than worth the outlay. Call today and discover the Solid Gold Sound of Marantz. Warranty: 3 years. List price: \$750.00.

**FEATURES:** Computuner®, gold plated in/out jacks, built-in 5-band equalizer, electronic input selector, programmable timer function, low and high filters, two deck dubbing capability

#200SR8100 ..... **OUR PRICE: \$569**





## A SONY STR-VX5 Stereo Receiver

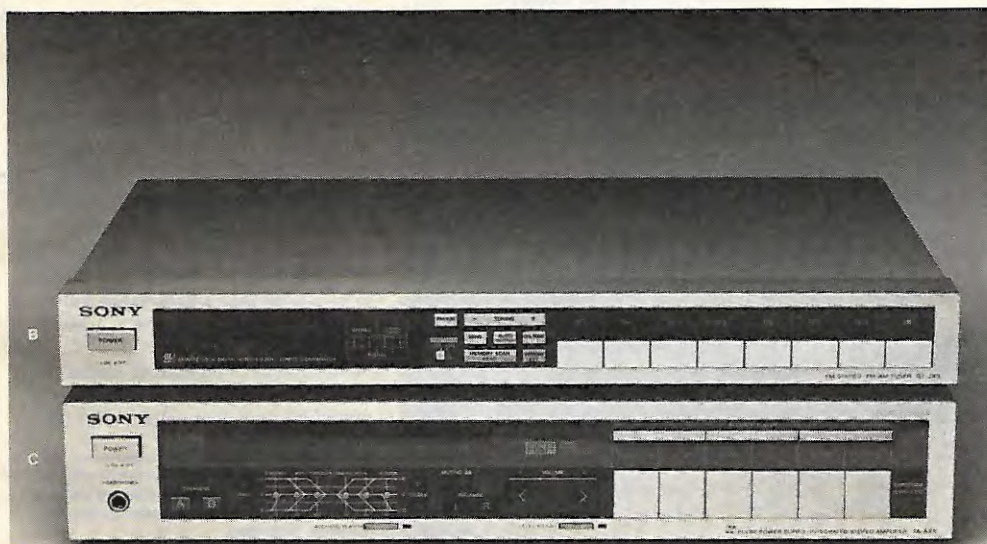
The STR-VX5 boasts a full array of features that make for accurate reproduction of music against a background of silence. Superlatively quiet FM reception is the result of Direct Comparator circuitry. Scan the entire broadcast band or just your eight preset stations. The STR-VX5 even accepts moving coil cartridges directly. The Legato Linear power amp is coupled with a pulse power supply to yield prodigious performance in a slender silhouette. Warranty: 2 years. List price: \$530.00.

**FEATURES:** Direct comparator frequency synthesis tuner, auto sweep, memory scan, feathertouch controls, MC cartridge ready, Legato Linear amplifier, pulse power supply, loudness control, subsonic filter, two tape monitors

**SPECIFICATIONS:** Power output: 55 watts per channel from 20-20,000 Hz with no more than 0.007% THD; usable FM sensitivity: 11.2 dBf; 50dB quieting sensitivity: 17.3 dBf mono, 36.8 dBf stereo; FM frequency response: 30-15,000 Hz, +0.5 dB, -1.5 dB; stereo separation: 45 dB; dimensions: 17" x 4 1/4" x 14 1/4"

#156STRVX5 OUR PRICE: \$399

Also available: STR-VX4 with most of the features of the STR-VX5 but produces 40 watts per channel, list price: \$340.00. #156STRVX4 Our price: \$329

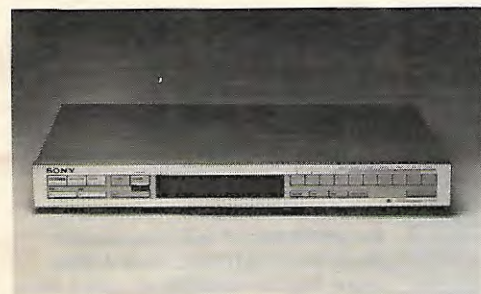


## B SONY ST-JX5 Stereo Tuner

An array of high-technology circuitry and control flexibility combine to make this an extraordinary performer for the discriminating music lover. Sony's Direct Comparator frequency synthesis tuning system provides unprecedented signal to noise performance plus luxurious feathertouch control of "step" and automatic tuning up or down, memory scan of your eight preset frequencies and more. Never miss your favorite broadcasts again - with a suitable timer and tape recorder, up to four presets can be programmed days in advance. Warranty: 2 years. List price: \$290.00

**SPECIFICATIONS:** Usable sensitivity: 10.3 dBf; 50 dB quieting sensitivity: 16.1 dBf mono, 37.9 dBf stereo; FM frequency response: 30-15,000 Hz, +0.2, -0.5 dB; stereo separation: 55 dB; dimensions: 17" x 2 1/4" x 13"

#156STJX5 OUR PRICE: \$219



## C SONY TA-AX5 Stereo Amplifier

Introducing Sony's revolutionary audio signal processor (ASP) which provides feathertouch convenience, allows storage and recall of control settings, boasts a phenomenal 100dB dynamic range, and eliminates unnecessary wiring and mechanical switches, etc. from the signal path. In keeping with the "straight wire with gain" philosophy, Sony engineers have adapted a NASA based system (Thermodynamic Cooling) permitting the output transistors to be mounted directly on the circuit board. The TA-AX5 is the audio purist's dream come true. Warranty: 2 years. List price: \$410.00

**SPECIFICATIONS:** Power output: 65 watts per channel from 20-20,000 Hz with no more than 0.004% THD; dimensions: 17" x 3 1/4" x 13"

#156TAAX5 OUR PRICE: \$299

## SONY PT-77 Timer

Quartz timer gives up to 8 On/Off times in the course of a week, plus 60 minute sleep function. Can be used as a control center for an entire audio and video system. Two switched outlets, 100 watts maximum. List price: \$195.00.

#156PT77 OUR PRICE: \$149

## SONY AN-300 Helical FM Antenna

Highly sensitive, tunable outboard FM antenna with 90° rotation flexibility. Accepts automatic control signal from Sony ST-JX5, STR-VX5 and STR-VX4 while manual override allows use with all other tuners and receivers. List price: \$80.00

#156AN300 OUR PRICE: \$74



## AMPLIFIERS AND TUNERS

### Pioneer A-6

The power amp of the A-6 combines advanced non-switching design with a DC-Servo circuit for reproduction quality which is smooth and clean as well as tight and rich. The A-6 is designed to communicate with you via the informative displays on the central panel, including the 7 LED peak-reading power meter, pictographs for program sources, signal flow, tape dubbing and other vital information on the operating status of your system. The logical panel layout gives the A-6 an overall look of utility and elegance. Power output: 60 watts per channel from 20-20,000 Hz with no more than 0.008% THD. Dimensions: 16 $\frac{1}{2}$ "x 3 $\frac{3}{4}$ "x 14 $\frac{1}{2}$ ". Warranty: 1 year. List price: \$325.00

#130A6 **OUR PRICE: \$259**

### Pioneer F-7

With Pioneer's F-7 you can tune with pushbutton ease. Be whisked from station to station—automatically or manually—with just the touch of a button. The human-engineered design contains all the switches and displays in logical groupings. But most interesting and useful is the display panel in the center that shows frequency, signal strength and the user changeable station frequency/call letter indicators. The F-7 is a wonderful blend of logical design and innovative engineering. Usable sensitivity: 10.8 dBf; 50dB quieting sensitivity: 16.0 dBf mono and 37.2 dBf stereo; Stereo separation: 50 dB. Dimensions: 16 $\frac{1}{2}$ "x 2 $\frac{3}{4}$ "x 15". Warranty: 1 year. List price: \$325.00.

#130F7 **OUR PRICE: \$239**

### Pioneer F-5

The F-5 does not disappoint you with hard to tune controls and useless displays. The digital frequency readout shows a tuner frequency in five digits — a degree of accuracy rarely found in any tuner, regardless of price. A truly hi-fi tuner such as the F-5 is hard to come by, and so it's a miracle that the F-5 is so reasonably priced. Usable sensitivity: 10.8 dBf; 50dB quieting sensitivity: 17.3 dBf mono and 39.2 dBf stereo; Stereo separation: 40 dB. Dimensions: 16 $\frac{1}{2}$ "x 2 $\frac{3}{4}$ "x 15". Warranty: 1 year. List price: \$225.00.

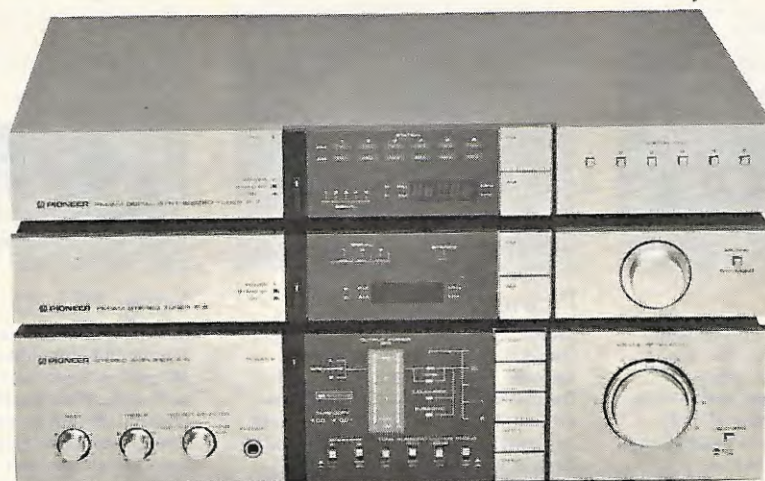
#130F5 **OUR PRICE: \$179**

### Sansui AUD7

Gone forever are switching and crossover distortion thanks to the "Linear A" power amplifier. And unlike other quasi-class-A amplifier designs, the AUD7 has a DD/DC configuration for fast transient response, your assurance that musical reproduction will be accurate. Four tone controls: super bass, bass, presence, and treble for precise sound contouring. A high visibility LED peak power display has a variable range and is defeatable. Built-in phono equalizer for MM/MC cartridges. Other features include two-deck dubbing, rec selector, loudness control and mode switch. Power output: 80 watts per channel driven into 8 ohms from 20-20,000 Hz with no more than 0.02% THD; frequency response: DC to 300,000 Hz +0dB, -3dB. Dimensions: 17"x 5 $\frac{1}{2}$ "x 13". Warranty: 2 years. List price: \$480.00

#141AUD7S (silver) **OUR PRICE: \$379**

#141AUD7B (black) **OUR PRICE: \$379**



**Pioneer F-7**  
AM/FM Tuner

**Pioneer F-5**  
AM/FM Tuner

**Pioneer A-6**  
Stereo Amplifier



**Sansui TUS5**  
AM/FM Tuner

**Sansui TUS7**  
AM/FM Tuner

**Sansui AUD7**  
Integrated Amplifier

### Sansui TUS7

Fully electronically controlled, accidental mistuning or drift is inconceivable with the quartz-PLL digital frequency synthesizer of the TUS7. Manual or automatic touch-tuning up or down is available and six AM and six FM stations may be preset for instant recall. An illuminated space to enter the call letters or frequency of each preset station is next to each button. Other features include FM noise canceller, FM muting/mode switch and AM loop antenna. FM frequency response: 30-18,000 Hz +0.3dB, -1.0dB; FM usable sensitivity: 10.5 dBf; FM 50 dB quieting sensitivity: 14.5 dBf mono and 36.5 dBf stereo; FM stereo separation: 50 dB; Dimensions: 17"x 3 $\frac{3}{8}$ "x 12 $\frac{1}{2}$ ". Warranty: 2 years. List price: \$340.00.

#141TUS7S (silver) **OUR PRICE: \$269**

#141TUS7B (black) **OUR PRICE: \$269**

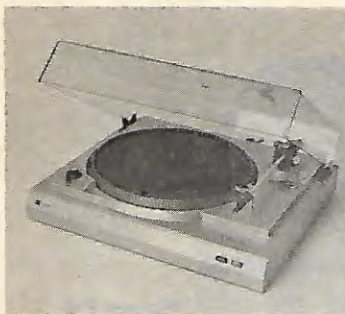
### Sansui TUS5

The TUS5 features a highly capable pulse count discriminator using digital pulses for a high signal-to-noise ratio and low distortion. For tuning ease, it has both an up-to-date digital display and a more conventional analog display with a tuning pointer with a built-in LED tuning indicator. Tuning is drift free. The moment your hand releases the tuning knob, the servo-locked tuning system locks on to the station frequency. Other features include double superheterodyne reception system, FM noise canceller, mode/lock switch and AM loop antenna. FM frequency response: 30-15,000 Hz +0.3dB, -1.0dB; FM usable sensitivity: 10.5 dBf; FM 50dB quieting sensitivity: 14.5 dBf mono and 36.5 dBf stereo; FM stereo separation: 50 dB; Dimensions: 17"x 3 $\frac{3}{8}$ "x 12 $\frac{1}{2}$ ". Warranty: 2 years. List price: \$290.00

#141TUS5S (silver) **OUR PRICE: \$229**

#141TUS5B (black) **OUR PRICE: \$229**





## Dual 508

**Motor:** hi-torque synchronous with vario belt drive. **Speeds:** 33 $\frac{1}{3}$  & 45 rpm. **Wow and flutter:** 0.04% (WRMS). **Signal to noise ratio:** 70dB. **Tone Arm:** ultra low mass (ULM) 4-point gimbal suspension dynamically balanced tubular straight arm. **Cartridge:** Ortofon TKS55E specially designed for the ULM tone arm (frequency response: 10-28,000 Hz) available. Order #50855. **Features:** single-play/semiautomatic vario belt drive, dynamically balanced ULM tone arm, tunable acoustic isolators, fail-safe manual start, pitch control, illuminated strobe, flush mount dust cover. 17 $\frac{1}{2}$ "x 5"x 15 $\frac{1}{4}$ ". Made in Germany. Two year warranty. List price with cartridge: \$269.95; without cartridge: \$159.95.

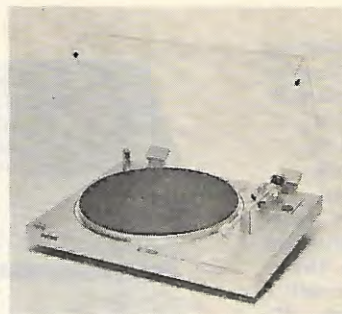
#19650855 [with cartridge] **\$229**  
#196508 [without cartridge] **\$144**



## Pioneer PL-7

**Motor:** Quartz-PLL, coreless DC-Servo Stable Hanging Rotor® Hall-motor. **Speeds:** 33 $\frac{1}{3}$  & 45 rpm **Wow and flutter:** 0.025% (WRMS). **Signal to noise ratio:** 78 dB. **Tone Arm:** Static balanced low mass Polymer Graphite® straight pipe arm. **Cartridge:** not included—accepts 3g to 8g cartridge weight. **Features:** fully automatic operation, direct drive system, light touch controls, low mass headshell accepts many popular cartridges (not included). 16 $\frac{1}{2}$ "x 4 $\frac{1}{4}$ "x 14 $\frac{1}{2}$ ". One year warranty. List price: \$200.00.

#130PL7 **\$159**



## Sony PS-LX5

**Motor:** Quartz lock Sony Linear Torque BSL (brushless, slotless) with Magnedisc servo control. **Speeds:** 33 $\frac{1}{3}$  & 45 rpm. **Wow and flutter:** 0.025% (WRMS). **Signal to noise ratio:** 78 dB. **Tone Arm:** static balance straight, low mass Duralumin with two point suspension. **Cartridge:** not included. Accepts 2.2g to 6.5g cartridge weight. **Features:** fully automatic single-play, Quartz lock direct drive system, audio muting circuit during start and stop operation, record setting guides, automatic record size selection, operates in synchronization with selected Sony cassette decks using optional RM-65, electromagnetic platter braking, front mount controls. 17"x 4 $\frac{1}{2}$ "x 14". One year warranty. List price: \$220.00.

#156PSLX5 **\$169**  
#156RM65 synchronizer **\$24**



## Dual 1268

**Motor:** hi-torque synchronous with vario belt drive. **Speeds:** 33 $\frac{1}{3}$  & 45 rpm. **Wow and flutter:** 0.04% (WRMS). **Signal to noise ratio:** 70dB. **Tone Arm:** ultra low mass (ULM) 4-point gimbal suspension dynamically balanced tubular straight arm. **Cartridge:** Ortofon TKS55E specially designed for optimal performance in the ULM tone arm (frequency response 10-28,000 Hz) available. Order #126855. **Features:** Fully automatic plus multiple play (up to 6 records), vario belt drive, dynamically balanced ULM tone arm, elevator action multi-play spindle, rotating single play spindle, tunable acoustic isolators, pitch control illuminated strobe, flush mount dust cover. 17 $\frac{1}{2}$ "x 7 $\frac{1}{4}$ "x 15 $\frac{1}{8}$ ". Made in Germany. Two year warranty. List price with cartridge: \$309.95; without cartridge: \$199.95.

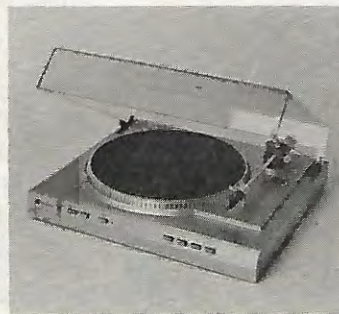
#196126855 [with cartridge] **\$264**  
#1961268 [without cartridge] **\$179**



## Sony PS-X600

**Motor:** Quartz lock Sony Linear Torque BSL (brushless, slotless) with Magnedisc (servo) control. **Speeds:** 33 $\frac{1}{3}$  & 45 rpm **Wow and flutter:** 0.025% (WRMS). **Signal to noise ratio:** 78 dB. **Tone Arm:** Biotracer incorporates two IC-controlled linear motors to perform automatic functions, tracking force, anti-skating, tone arm/cartridge resonance, cueing and indexing. **Cartridge:** not included—accepts 2.3g to 7.3g cartridge weight. **Features:** Biotracer tone arm, fully automatic single play, auto disc selector, audio muting circuit, electromagnetic braking, feathertouch front mount controls. Optional RM-65 allows synchronization with selected Sony cassette decks. See pages 70-71. 17"x 4 $\frac{1}{4}$ "x 15 $\frac{1}{8}$ ". One year warranty. List price: \$400.00.

#156PSX600 **\$299**  
#156RM65 synchronizer **\$24**



## Dual 627Q

**Motor:** Quartz PLL direct drive. **Speeds:** 33 $\frac{1}{3}$  & 45 rpm. **Wow and flutter:** 0.025% (WRMS). **Signal to noise ratio:** 78dB. **Tone Arm:** ultra low mass (ULM) 4-point gyroscopic gimbal suspension dynamically balanced tubular straight arm. **Cartridge:** Ortofon TKS55E specially designed for the ULM tone arm (frequency response: 10-28,000 Hz) available. Order #196627Q55. **Features:** fully automatic quartz direct drive, dynamically balanced ULM tone arm, tunable anti-resonance, tunable acoustic isolators, pitch control, illuminated strobe, flush mount dust cover. 17 $\frac{1}{2}$ "x 5"x 15 $\frac{1}{4}$ ". Made in Germany. Two year warranty. List price with cartridge: \$369.95; without cartridge: \$259.95.

#196627Q55 [with cartridge] **\$314**  
#196627Q [without cartridge] **\$229**



## Pioneer PL-L800

**Motor:** Quartz-PLL, coreless DC-Servo Stable Hanging Rotor® Hall-motor. **Speeds:** 33 $\frac{1}{3}$  & 45 rpm **Wow and flutter:** 0.025% (WRMS). **Signal to noise ratio:** 78 dB. **Tone Arm:** direct-induction linear motor drive, static balanced tangential tracking low mass Polymer Graphite® straight pipe arm. **Cartridge:** Pioneer PC-4MC moving coil type, 10-35,000 Hz. **Features:** fully automatic microcomputer controlled operation, direct drive system, front mounted controls, motorized tone arm with tangential tracking. 16 $\frac{1}{2}$ "x 4 $\frac{1}{4}$ "x 16 $\frac{1}{2}$ ". One year warranty. List price: \$450.00.

#130PLL800 **\$329**



## Dual 608

**Motor:** electronic direct drive. **Speeds:** 33 $\frac{1}{3}$ , 45 & 78 rpm. **Wow and flutter:** 0.03% (WRMS). **Signal to noise ratio:** 75dB. **Tone Arm:** ultra low mass (ULM) 4-point gyroscopic gimbal suspension dynamically balanced tubular straight arm. **Cartridge:** Ortofon TKS55E specially designed for the ULM tone arm (frequency response: 10-28,000 Hz) available with 608. Order #60855. **Features:** semi automatic electronic direct drive, dynamically balanced ULM tone arm, tunable anti resonance, hydrodynamic suspension system, tunable acoustic isolators, lead-in groove sensor, includes 78 rpm, pitch control, illuminated strobe, flush-mount dust cover. 17 $\frac{1}{2}$ "x 5"x 15 $\frac{1}{4}$ ". Made in Germany. Two year warranty. List price with cartridge: \$439.94; without cartridge: \$329.95.

#19660855 [with cartridge] **\$374**  
#196608 [without cartridge] **\$299**



## CARTRIDGES



**ADC QLM 34 Mark III** — Features ADC's patented Induced Magnet design for ultra low effective tip mass. Offers the hi-fi listener maximum stereo performance with minimum record wear. Available alone or premounted in a lightweight aluminum headshell with universal 4-pin design common to "S" and "J" tone arms. Tracking force: 1.5-3 grams; frequency response: 20-20,000 Hz; stylus: bushed elliptical diamond; cartridge weight: 5.75 grams. List price: \$80.00.

#012QLM34N [cartridge only] **OUR PRICE: \$22**

#012QLM34 [premounted] **OUR PRICE: \$29**



**ADC Integra XLM II** — Distinctive and innovative design makes this great cartridge/headshell combination a wise choice for better turntables. Adjustable overhang and tracking angle allow optimal positioning of the stylus for minimum tracking error. Not everyone can take advantage of the Integra — your tonearm must accept the universal headshell 4 pin plug. Tracking Force: 1-1.5 grams; frequency response: 15-24,000 Hz; stylus: nude diasa elliptical. List price: \$120.00.

#012XLM2 **OUR PRICE: \$59**



**ADC ST-XLM** — Professionally matched carbon fiber headshell/cartridge combination designed for the popular new straight tonearms. Combines ADC's Omni-Pivot System and carbon fiber construction for maximum performance in all areas: frequency response, separation, mass, resonance, and compliance. Tracking force: 1.2 grams, frequency response: 15-24,000 Hz; stylus: nude diasa elliptical. List price: \$80.00.

#012STXLM **OUR PRICE: \$49**

**ADC Integra ST-XLM** — Brings adjustable overhang, offset, and tracking angle capabilities to the straight tonearm. List price: \$120.00.

#012STXLM2 **OUR PRICE: \$59**



**ADC XLM III Improved** — An ultra miniature nude rectangular diamond, mounted to a small hollow tapered cantilever gives super low tip mass while the Omni Pivot System provides optimum location of the armature at all times, under all types of playing conditions. Rated #1 best buy in a leading consumer magazine. Tracking force: 1.2 grams; frequency response: 10-24,000 Hz; stylus: rectangular nude elliptical diamond; cartridge weight: 5.75 grams. List price: \$125.00

#012XLM3D **OUR PRICE: \$79**

## FINE TUNING



**ADC Pro/Trac** — The Pro/Trac alignment (accurate to  $\pm .005^\circ$ ) makes accurate setting of cartridge offset angle and overhang dimension possible.

#012PROTRC **OUR PRICE: \$10**

**ADC Pro/Gram** — Read your tracking force on the easy to read LED display divided into .1 gram increments. Features .5-3.0 gram stylus force range.

#012PROGRM **OUR PRICE: \$29.**

**ADC Pro/Grip** — Pro/Grip is an anodized, machined, aluminum, record disc-stabilizer for all fixed spindle turntables. #012ADCPRO **OUR PRICE: \$24.**

## DISC CARE



**Discwasher D-4 Record Cleaning System** — The exclusive slanted fibers and absorbency of the Discwasher pad work with the D4 fluid to lift off microdust, fingerprints and smoke particles. The fluid leaves less residue than tap water and doesn't encourage vinyl destroying biological growths.

#032WASHER **\$14**

#032D460Z D-4 siz ounce refill **\$9**

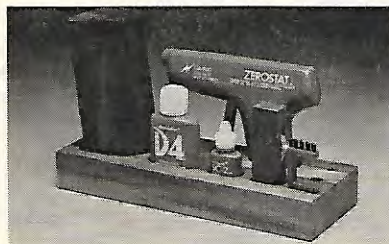


**Discwasher SC-2 Stylus Care System** — The SC-2 combines a special density brush with a fluid that aids in the removal of stylus contamination.

#032SC2 **\$8** #032SC2R SC-2 refill **\$1.25**

**Discwasher Zerostat** — Zerostat is a truly effective, safe instrument to eliminate static on virtually any surface. With Zerostat there are no clogging residues, no parts to replace, nothing to plug in and no radioactivity.

#032ZSTAT **\$22**



**Discwasher DiscKit** — The DiscKit is total record care at your fingertips which stores in an attractive walnut base with dustcover. Included in the DiscKit are the D4 record cleaning system, Zerostat antistatic instrument, SC-2 stylus care system and Discorganizer (base and dustcover). The DiscKit offers substantial savings over separate purchases of the same Discwasher products and will protect your entire album collection for years.

#032DISCKT **\$44**

**Discset** — This set combines the two most popular Discwasher accessories: the D4 cleaning system and the SC2 stylus cleaner. A walnut storage unit keeps record care at your fingertips without cluttering up your stereo area. #032DISCST **\$25**

## RECORDS



## Audiophile Recordings

Every sound system is only as good as the source material...your records and tapes. Get rid of the snap, crackle, buzz, and pop that typify albums with pressings in the millions. Mobile Fidelity and Nautilus Recordings are totally different. Through a half speed process that captures every nuance, a master disc is cut from which the metal masters and stampers are made. The final pressings are packaged in a heavy duty album jacket with a static free inner sleeve. Are they worth the price? We say an emphatic yes!

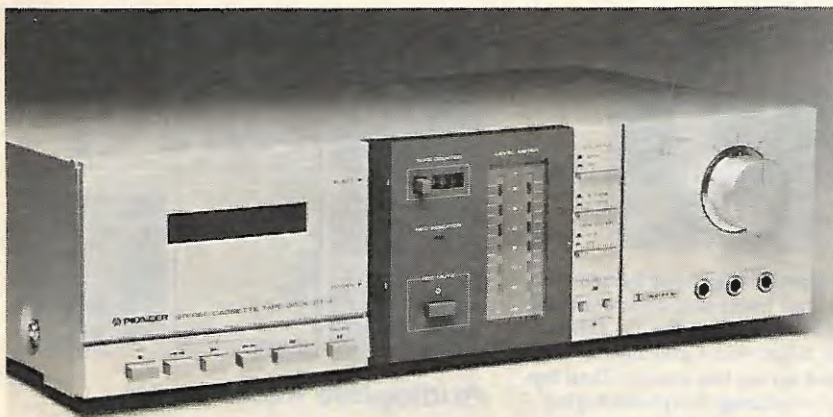
## Popular Artists

- NEW The Allman Brothers Band/Live at the Fillmore** two discs #180NR30 **\$22**
- NEW The Band/Music from the Big Pink** #138SL1039 **\$18**
- Beatles/Magical Mystery Tour** #138SL1047 **\$18**
- Beatles/Abbey Road** #138SL1023 **\$18**
- NEW Beatles/The Beatles (White)** two discs #138SL2072 **\$24**
- Pat Benatar/In the Heat of the Night** #138SL1057 **\$18**
- Blondie/Parallel Lines** #138SL3000 **\$18**
- David Bowie/Ziggy Stardust** #138SL1064 **\$18**
- NEW Jackson Browne/The Pretender** #138SL1055 **\$18**
- NEW Kim Carnes/Mistaken Identity** #138SL1073 **\$18**
- NEW Cars/The Cars** #180NR14 **\$16**
- Eric Clapton/Slowhand** #138SL1030 **\$18**
- Neal Diamond/The Jazz Singer** #138SL1071 **\$18**
- Doobie Brothers/The Captain and Me** #180NR5 **\$16**
- Doobie Brothers/Minute by Minute** #180NR18 **\$16**
- The Doors/The Doors** #138SL1051 **\$18**
- Foreigner/Double Vision** #138SL1052 **\$18**
- Fleetwood Mac/Rumours** #180NR8 **\$16**
- Heart/Dreamboat Annie** #180NR3 **\$16**
- NEW Hiroshima/Hiroshima** #138SL1525 **\$18**
- J.Geils Band/Love Stinks** #180NR25 **\$16**
- John Klemmer/Finesse** #180NR22 **\$16**
- NEW John Lennon/Yoko Ono/Double Fantasy** #180NR47 **\$16**
- Little Feat/Time Loves A Hero** #180NR24 **\$16**
- Moody Blues/On the Threshold of a Dream** #180NR21 **\$16**
- Pink Floyd/Dark Side of the Moon** #138SL1017 **\$18**
- Police/Zenyatta Mondatta** #180NR19 **\$16**
- NEW Police/Ghost in the Machine** #180NR40 **\$16**
- Elvis Presley/From Elvis in Memphis** #138SL1059 **\$18**
- NEW The Pretenders/The Pretenders** #180NR38 **\$16**
- Kenny Rogers/Greatest Hits** #138SL1049 **\$18**
- Rolling Stones/Sticky Fingers** #138SL1060 **\$18**
- Linda Ronstadt/Simple Dreams** #180NR26 **\$16**
- Bob Seeger/Night Moves** #138SL1034 **\$18**
- Spyrogyra/Morning Dance** #180NR9 **\$16**
- Rod Stewart/Blondes Have More Fun** #138SL1054 **\$18**
- Styx/The Grand Illusion** #138SL1026 **\$18**
- Supertramp/Crime of the Century** #138SL1005 **\$18**
- Tim Weisberg/Tip of the Weisberg Digital** #180NR7 **\$16**

## Classical Selections

- Andre Previn & London Philharmonic/Tchaikovsky: 1812** #138SL1502 **\$18**
- Chicago Symphony/Also Sprach Zarathustra** #138SL4000 **\$18**
- Herbert Von Karajan & Berlin Philharmonic/Ravel: Bolero & DeBussy: La Mer** #138SL1513 **\$18**
- London Philharmonic/Holst: The Planets** #138SL1510 **\$18**





## Pioneer CT-4

The CT-4 is an exemplary deck for novice recordists. Engineered for simple operation, this Pioneer nevertheless incorporates valuable features for better sounding recordings. The Dolby-C noise reduction reduces hiss and expands high frequency response. The best basic deck to be found. Warranty: 1 year. List price: \$200.00.

**FEATURES:** Dolby B/C noise reduction, MPX filter, Music Search, LED bar graph display, one-touch recording, recording mute, hard permalloy record/play head

**SPECIFICATIONS:** Frequency response: 20-17,000 Hz (metal tape); Signal to noise ratio: 78 dB (Dolby-C NR on); Wow and flutter: 0.05% (WRMS); Dimensions: 16 1/2" x 4 1/4" x 9 1/2"

#130CT4 **OUR PRICE: \$169**



## Sony TC-FX30

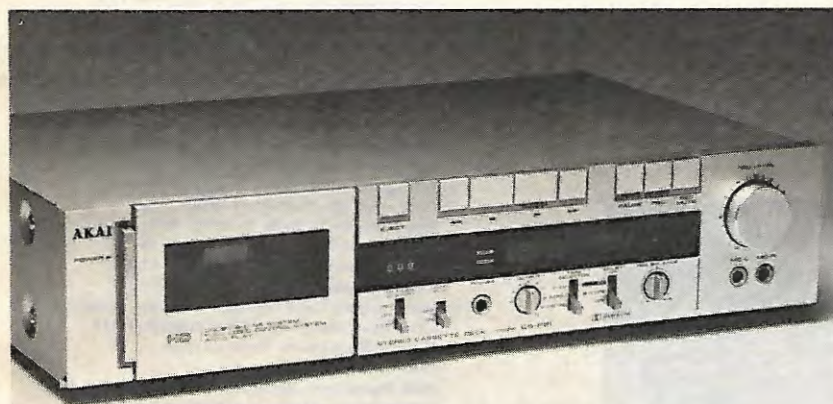
The new TC-FX30 demonstrates Sony's ability to offer outstanding quality and ease of operation at extraordinarily modest cost. Dolby C effectively doubles noise reduction. Sony includes a two-motor tape drive and full-logic soft-touch function controls. Warranty: 1 year. List price: \$250.00.

**FEATURES:** Dolby B/C NR, LED peak program meters, two motor tape drive with DC-servo control, long life sendust and ferrite (S&F) record/playback head

**SPECIFICATIONS:** Frequency response: 30-17,000 Hz (metal tape); Signal to noise ratio: 78 dB (Dolby-C NR on); Wow and flutter: 0.05% (WRMS); Dimensions: 17" x 4 1/4" x 9 1/2"

#156TCFX30 **OUR PRICE: \$199**

Also available: TC-FX2, similar styling to above with Dolby B, analog level meters, and super high density permalloy head, list price: \$190.00. #156TCFX2 Our price: \$149



## Akai CS-F21

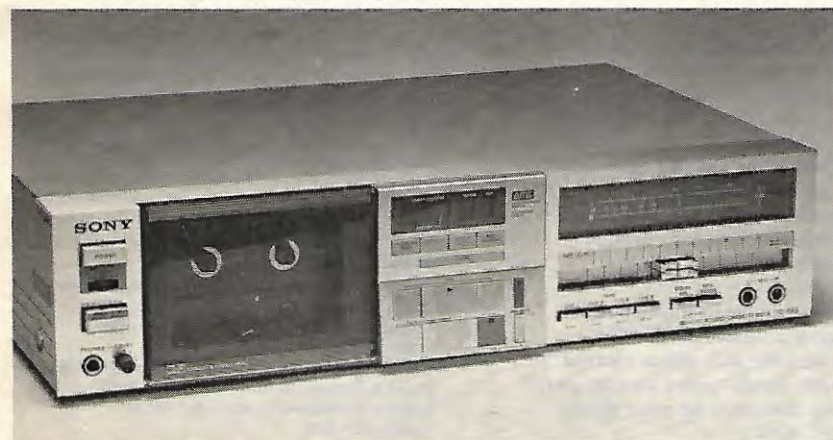
A striking example of modern design, the CS-F21 intelligently presents its control functions. In addition to Dolby B/C noise reduction, Akai provides full-logic feathertouch controls to easily produce masterful recordings. Flexibility is further enhanced by optional remote control capability (RC-21 remote control, RC-90 wireless remote control). Warranty: 1 year. List price: \$249.95.

**FEATURES:** Dolby B/C noise reduction, auto play, HD head, feathertouch controls, record mute, 12 segment FLD bargraph, headphone jack, remote control jack

**SPECIFICATIONS:** Frequency response: 30-18,000 Hz (metal tape); Signal to noise ratio: 78 dB (Dolby-C NR on); Wow and flutter: 0.04% (WRMS); Dimensions: 17" x 4 1/4" x 10 1/2"

#022CSF21 **OUR PRICE: \$219**

Also available: CS-F12 same as above but with Dolby B noise reduction, list price \$179.95. #022CSF12 Our price: \$159



## Sony TC-FX6C

Sony technology in the service of music reproduction is legendary. Each feature of the TC-FX6C gives the listener easy access to great performance. A new Digital Linear Counter measures the actual time elapsed on the tape. Warranty: 1 year. List price: \$420.00.

**FEATURES:** Dolby B/C NR, S&F head, digital linear counter, automatic music sensor, two-motor tape drive, 16-segment LED peak program meters with peak hold, feathertouch controls, optional remote and synchronize capability

**SPECIFICATIONS:** Frequency response: 30-17,000 Hz (metal tape); Signal to noise ratio: 79 dB (Dolby-C NR on); Wow and flutter: 0.04% (WRMS); Dimensions: 17" x 4 1/4" x 10 1/2"

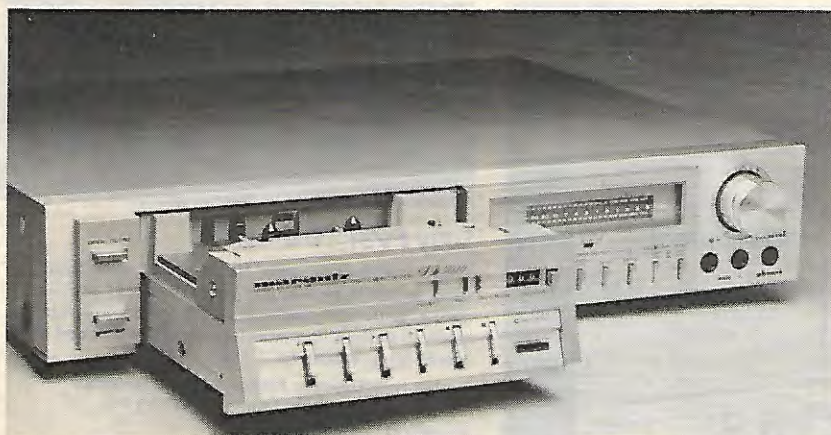
#156TCFX6C **OUR PRICE: \$319**

#156RM80 wireless remote control **OUR PRICE: \$89**

Also available: TC-FX5C: fewer features, same great specs and remote capability, list price: \$350.00. #156TCFX5C Our price: \$279



## CASSETTE DECKS



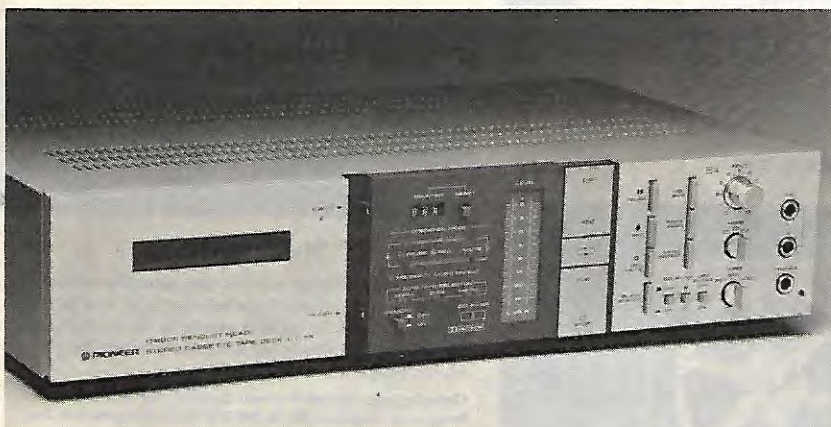
### Marantz SD-5010

At the touch of a button, the front panel of the Marantz Gold SD-5010 opens and the entire tape drawer slides out and in for tape loading and unloading. The tape heads are tucked safely inside the deck, away from dust, yet easily accessible for cleaning. The unique styling lends itself to cramped quarters without sacrificing performance. Warranty: 2 years. List price: \$450.00.

**FEATURES:** Motorized linear skating mechanism, slim-line design, LED peak level meters, Dolby-B noise reduction, soft touch electronic tape transport, super-hard metal alloy heads, gold plated in/out jacks

**SPECIFICATIONS:** Frequency response: 35-18,000 Hz (metal tape); Signal to noise ratio: 64 dB (Dolby NR on); Wow and flutter: 0.05% (WRMS); Dimensions: 16 1/2" x 2 1/2" x 12 1/4"

#200SD5010 **OUR PRICE: \$329**



### Pioneer CT-7R

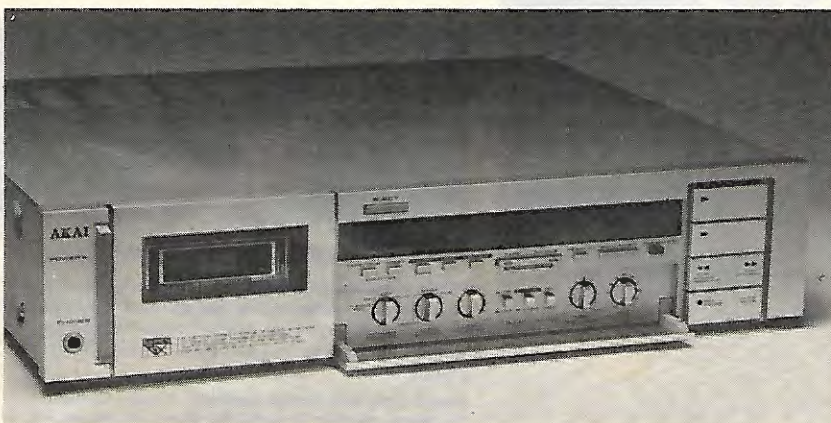
The CT-7R records and plays back both sides of a tape, automatically. Three direct-drive tape transport motors enable fast direct change of modes and flying start recording. The CT-7R is a joy to use, makes superb recordings and is priced within reach. Warranty: 1 year. List price: \$450.00. The optional JT216 allows remote control of transport functions. 15 feet of connecting cord.

**FEATURES:** Quick auto-reverse recording/playback mechanism, computer aided convenience, Dolby B/C noise reduction, LED peak level meters, one-touch recording

**SPECIFICATIONS:** Frequency response: 20-20,000 Hz (metal tape); Signal to noise ratio: 79 dB (Dolby-C NR on); Wow and flutter: 0.04% (WRMS); Dimensions: 16 1/2" x 4" x 10 1/2"

#130CT7R **OUR PRICE: \$349**

#130JT216 remote control **OUR PRICE: \$44**



### Akai GX-F71

Spectacular performance and unique appearance set the GX-F71 apart. A three head design permits "off-the-tape" monitoring. The Super GX heads themselves are warrantied for 150,000 hours. A wealth of conveniences make operation simple and frustration free. Remote control capability with optional accessories (call for information and prices). Warranty: 1 year. List price: \$449.95.

**FEATURES:** Super GX heads, 3 head/2 motor system, Auto Tape Tuning, Auto Tape Selector, DC amplifier, auto monitor, direct-drive, Intro Scan, IPLS, Auto Fader, Power Eject/Direct Lead-in System, 18 segment FLD bargometer, electronic digital time/tape counter

**SPECIFICATIONS:** Frequency response: 20-21,000 Hz (metal tape); Signal to noise ratio: 80 dB (Dolby-C NR on); Wow and flutter: 0.03% (WRMS); Dimensions: 17" x 4 1/2" x 15"

#022GXF71 **OUR PRICE: \$389**

Also available: GX-F51, styling similar to above but two head design with twin field Super GX head, list price: \$349.95. Our price: \$299



### Akai GX-F66RC

An extravaganza of features and programmable functions allow you to choose up to 20 selections from *both* sides of your cassette and play them back in any order. What's more, you can repeat the program sequence up to 99 times. This Akai deck is a stunning achievement in performance and convenience. Warranty: 1 year. List price: \$575.00.

**FEATURES:** Quick reverse, auto reverse recording and playback, random program search system, Dolby B/C noise reduction, blank search, intro scan, auto play, auto tape select, feather touch microcomputer controls, twin field Super GX head, auto mute, 16 segment LED bargometer, electronic digital tape counter

**SPECIFICATIONS:** Frequency response: 25-19,000 Hz (metal tape); Signal to noise ratio: 80 dB (Dolby-C NR on); Wow and flutter: 0.035% (WRMS); Dimensions: 17" x 5 1/4" x 13"

#022GXF66 **OUR PRICE: \$499**

#022RC21 remote control **OUR PRICE: \$37**

#022RC90 wireless remote control **OUR PRICE: \$99**



## REEL-TO-REEL RECORDERS

### Akai GX-77D

The GX-77 features EE tape capability, quick-reverse playback/record, three motors, four Akai GX heads and dust-cover. A unique, motorized tape-loading mechanism guarantees virtually perfect tape-to-head alignment, all at the touch of a button. The GX-77 is perfect for those who take their recording seriously. Warranty: 1 year. List price: \$795.00.

**FEATURES:** Automatic reverse record/playback, "EE" tape capability, LED meters with peak hold, full logic feather-touch controls, tape/source monitoring, power loading system, electronic digital real time counter, fine bias adjustment, remote control terminal, dust cover included.

**SPECIFICATIONS** (EE tape): Frequency response: 25-33,000 Hz; Signal to noise ratio: 66 dB; Dynamic range: 76 dB; Wow and flutter: 0.03% (WRMS)



#022GX77 OUR PRICE: \$649

#022RC21 remote control OUR PRICE: \$99

### Sony TC-399

The TC-399 offers new impressive styling in an eminently practical open reel deck with professional quality. Wide dynamic range, wide frequency response and a high signal to noise ratio are assured by the ferrite and ferrite heads directly coupled to the preamplifiers, and by the independent bias and equalizer settings. Warranty: 1 year. List price: \$520.00.

**FEATURES:** Sony F&F heads in a discrete three head design, source/tape monitoring, AC servo tape drive, scrape flutter filter, locking pause control, Auto-Stop, mic/line mixing, large illuminated VU meters, sound-on-sound capability, three speeds, headphone jack, four-digit tape counter.

**SPECIFICATIONS** (FeCr tape): Frequency response: 30-25,000 Hz; Signal to noise ratio: 61 dB; Wow and flutter: 0.06% (WRMS); dimensions: 17 1/4" x 16 1/2" x 7 1/2"



#156TC399 OUR PRICE: \$399

## BLANK TAPE

### BLANK CASSETTE TAPE

**BASF Pro-II C90**—90 minute chrome tape. \$3.75 each #014PROII or 10 for \$36. #014CPROII

**Fuji FX-II C-90**—90 minute high bias tape. \$4.25 each #072FXII OR 10 FOR \$40 #072CFXII

**Fuji Metal C90**—90 minute metal tape. \$7.50 each #072FUMET or 10 for \$70. #072CFUMET

**Loran LCH-60**—60 minute high bias tape. \$4.50 each #114LCH60 or 10 for \$42.50. #114CLCH60

**Loran LCH-90**—90 minute high bias tape. \$6.00 each #114LCH90 or 10 for \$56.00 #114CLCH90

**Loran LFE-90**—90 minute normal bias tape. \$6.00 each #114LFE90 or 10 for \$56.00 #114CLFE90

**Maxell UDXLI**—90 minute normal bias tape. \$4.50 each #170UDXLI or 12 for \$47.50 #170CASEI

**Maxell UDXLII**—90 minute high bias tape. \$4.50 each #170UDXLII or 12 for \$47.50 #170CASEII

**Sony SHF90**—90 minute normal bias tape \$3.50 each 158 SHF90 or 10 for \$32.50 #158CSHF90

**Sony EHF90**—90 minute high bias tape \$3.75 each #158 EHF90 or 10 for \$35.00 #158CEHF90

**TDK SA-C90**—90 minute high bias tape, \$4.25 each #195SAC90 or 10 for \$37.50 #195CSAC90

**TDK SA-XC90**—90 minute double coated high bias tape \$6.50 each #195SAXC90 or 10 for \$56.00 #195CSAXC90

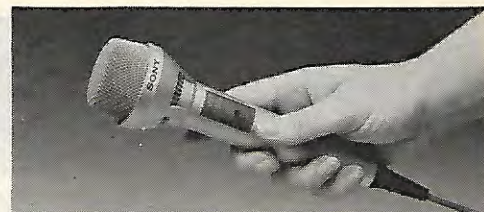
### BLANK REEL-TO-REEL TAPE

**Maxell XLI90**—1800' of new "EE" formulation, #170XLI90, \$19

**Maxell XLI60B**—1200' polyester backed standard bias, #170XLI60B, \$11

**Maxell XLI90B**—1800' polyester backed standard bias, #170XLI90B, \$12

## MICROPHONES

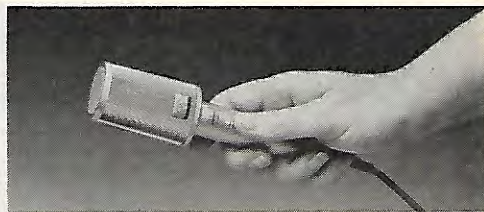


### Sony FV3T "The Mic"

This microphone is great for recording everything from babies to performing pets. The FV3T provides strong, faithful reproduction with a smooth, wide cardioid pattern, a convenient on/off switch and Uni-Match plug. Warranty: 1 year.

Capsule type: Dynamic; Pattern: Cardioid; Frequency response: 100-12,000 Hz; Output impedance: low

#158FV3T OUR PRICE: \$29



### Sony F99T "The Stereo Mic"

This unipoint design utilizes two separate cardioid elements, one oriented toward the right and the other toward the left, to capture stereo in all its realism. Versatility and flexibility are enhanced by Sony's Uni-Match plugs. Warranty: 1 year

Capsule type: one point stereo dynamic; Pattern: stereo; Frequency response: 80-12,000 Hz; Output impedance: low

#158F99T OUR PRICE: \$39



### Sony ECM-220T "The Instrument Mic"

While other microphones lose or distort a particular instrument's overtones this one maintains subtleties of variation. Features back electret condenser design, smooth cardioid pattern and on/off switch. Warranty: 1 year.

Capsule type: Back electret condenser; Pattern: Cardioid; Frequency response: 50-14,000 Hz; Output impedance: low

#158ECM220 OUR PRICE: \$49

## TAPE DECK CARE

### Allsop deluxe auto-reverse head cleaner —

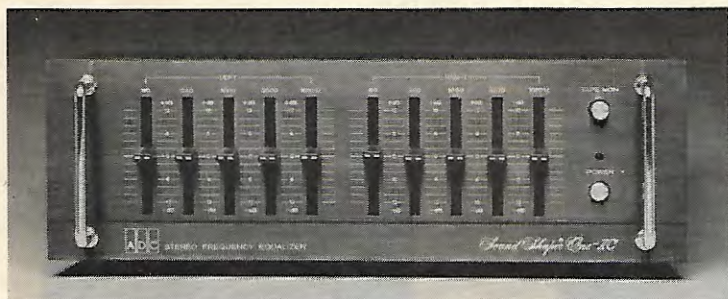
Includes cleaning cassette, special fluid and extra cleaning pads. A folding case means everything's there when you need it and discreetly out of sight when you don't. Our favorite for home or car. #00271200 \$14

### TDK cordless cassette head demagnetizer —

Every time you clean your machine use the TDK demagnetizer. It will automatically remove residual magnetization from your tape head. Over a period of time a magnetized head will slowly damage your precious recordings. #195HD01 \$23.00



## EQUALIZERS

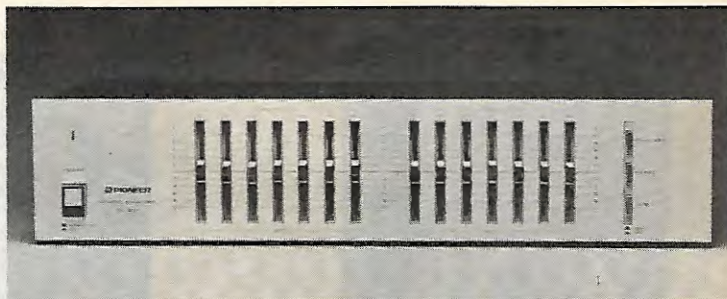


### ADC Sound Shaper One IC

14"x 6"x 11 1/2"

This dual channel five band equalizer can improve the sound of your system dramatically, without breaking your bank account. LEDs in each slider provide visual reference of EQ setting, valuable in subdued lighting. There are many "bargain" equalizers but only one made by ADC—the people that began the Sound Shaper revolution. Warranty: 2 years. List price: \$119.95

#012SS1IC **OUR PRICE: \$99**



### Pioneer SG-300

16 1/2"x 3 3/4"x 9 1/2"

Dual channel 7-band graphic equalizer that will compensate for poor room acoustics or "remix" program material to personal tastes. Easily patches into the tape monitor/record loop of your system. Matches Syscom components perfectly. Red LEDs located in each slider control yield easy visual monitoring of current setting under low light conditions. Warranty: 2 years. List price: \$180.00

#130SG300 **OUR PRICE: \$149**

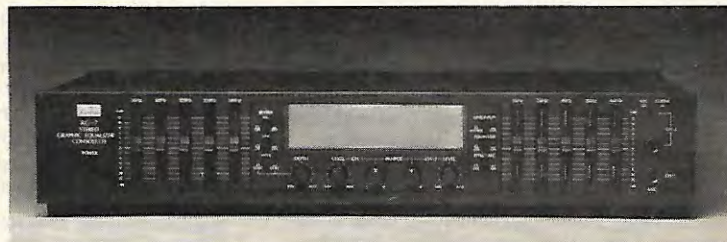


### Marantz EQ-20

16 1/8"x 2 7/8"x 7 1/2"

Improve the sound of your system with the elegant EQ-20. Ten bands for each channel provide precise control of the entire audio spectrum. Gold-plated in/out jacks for the ultimate in oxidation free, low distortion audio connections. The famous Marantz finish and simple slimline design make the EQ-20 the perfect choice for expanding your Marantz system. Warranty: 3 years. List price: \$250.00.

#200EQ20 **OUR PRICE: \$189**



### Sansui RG-7

17"x 3 1/2"x 9"

Stereo 10-band octave graphic equalizer, electronic reverb with echo/duet function and variable intensity plus mic/line (guitar/line) mixer with panpots. Use to optimize the sonic performance of your system or to create pro sounding recordings of your own. Available in brushed silver or satin black. Warranty: 2 years. List price: \$260.00.

#141RG7 (silver) **OUR PRICE: \$219**

#141RG7B (black) **OUR PRICE: \$219**



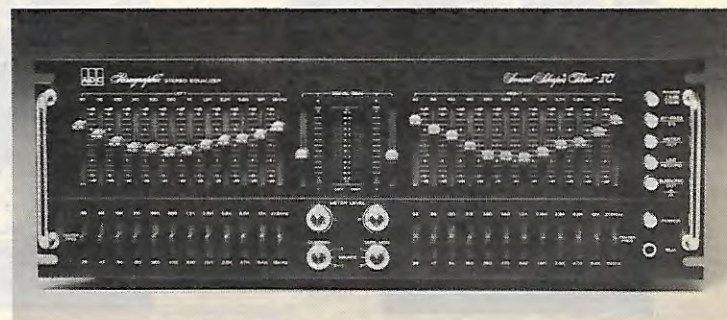
### Sansui SE8

17"x 5 1/4"x 11"

The SE8 lets you do what a versatile graphic equalizer should do — customize your sound, remix a source more to your tastes, attain a flat response in your listening room, and so forth. The distinguishing feature of the SE8 is its 10-band, 8-level real-time spectrum analyzer. The moment-to-moment peak level at each of ten frequencies is accurately displayed by fluorescent dots that rise and fall, forming a frequency "bar." The frequency of each bar is matched with a corresponding equalizer control. The SE8 is also designed to accept two tape decks with crossconnected circuits that allow tape dubbing. Available in silver or black. Warranty: 2 years. List price: \$400.00.

#141SE8S (silver) **OUR PRICE: \$299.**

#141SE8B (black) **OUR PRICE: \$299**



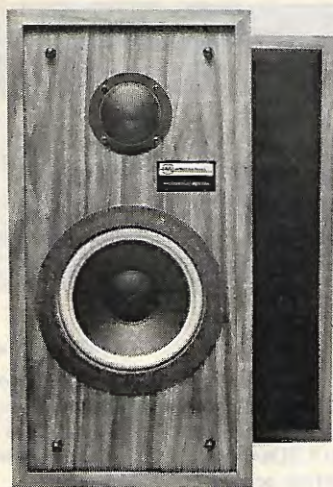
### ADC Sound Shaper Three IC

21 1/4"x 9 3/4"x 16 1/8"

Combining the ease and control of a graphic equalizer with the precision and versatility of a parametric EQ has produced a studio quality unit at a price you can afford. Serious audiophiles like the two-way tape dubbing, sub-sonic filter, LED-lit slide controls, level meters and more. If you're looking to maximize your stereo system, and minimize its shortcomings, then shape your sound with the ADC Sound Shaper Three. Warranty: 2 years. List price: \$499.95.

#012SS3IC **OUR PRICE: \$399**





## Matrecs 4308

Designed to employ a greater volume of air, the 4308 features a sleek, tall, thin design. Matrec's own 8" woofer utilizes the finest high temperature aluminum voice coils to dissipate heat and improve power handling capability. A special 3½" tweeter projects clear, crisp high frequencies. The 4308 is a beautiful addition to every listening environment. Warranty: 5 years. List price: \$170.00.

Frequency response: 45-20,000 Hz; Drivers: 8" cone & 3½" cone; Enclosure: acoustic suspension; Power rating: 30 watts; Impedance: 8 ohms; Finish: wood grain vinyl; Dimensions: 11½" x 23" x 8"; Weight: 32 lbs. each

#2364308 **OUR PRICE: \$99/PAIR** freight collect\*



## Matrecs 4310

The 4310 is ideal for the audiophile who expects optimum performance from a speaker system that doesn't require a powerful amplifier. Tremendous as a start-up system or perfect as an extension pair, the 4310s are an efficient 12" three-way speaker with dynamic bass and treble range free of coloration. The 4310s provide surprisingly natural depth and accuracy for such a modest home monitor. Warranty: 5 years. List price: \$318.00.

Frequency response: 37-20,000 Hz; Drivers: 12" cone, 5" cone & 3½" cone; Enclosure: acoustic suspension; Power rating: 50 watts; Impedance: 8 ohms; Finish: wood grain vinyl; Dimensions: 15" x 24" x 10½"; Weight: 28 lbs. each

#2364310 **OUR PRICE: \$149/PAIR** freight collect\*



## Altec Lansing 1010

An incredibly good sounding loudspeaker. No frills, but includes SoundPrism® dispersion, liquid cooled tweeter and Automatic Power Control (for speaker protection). Altec says the 1010 maximum long term acoustic output is 108 dB at 1 meter—enough to fill most living rooms with concert levels! Warranty: 5 years. List price: \$499.90

Frequency response: 60-20,000 Hz; Drivers: 10" cone & liquid cooled energy refracting transducer; Enclosure: Vented; Power rating: 150 watts; Impedance: 8 ohms; Finish: Walnut grain vinyl; Dimensions: 14½" x 23" x 12½"; Weight: 33 lbs each

#1991010 **OUR PRICE: \$289/PAIR** freight collect\*



## Pioneer HPM-700

Pioneer's extensive research and development created the HPM line. The 4-way HPM-700 uses three Polymer Graphite cone drivers plus a horn loaded High Polymer supertweeter. Audible results are better transient response, wider frequency range and a flatter overall response. Warranty: 3 years. List price: \$550.00.

Frequency response: 35-50,000 Hz; Drivers: 10" PG cone, 4" PG cone, 1½" PG cone & high polymer supertweeter; Enclosure: bass reflex bookshelf type; Power rating: 150 watts; Impedance: 8 ohms; Finish: walnut grain vinyl; Dimensions: 13¾" x 24" x 12¾"; Weight: 38 lbs. each

#130HPM700 **OUR PRICE: \$329/PAIR** freight collect\*



## Matrecs 4315

The ultimate in bass reproduction highlights this system with the unique Matrecs 2" high temperature voice coil and thermally insulated woofer construction. Wide dispersion creates stereo imagery never before heard in a system of this size. Variable tonal controls allow for fine tuning to the most critical ear. Warranty: 5 years. List price: \$658.00.

Frequency response: 25-22,000 Hz; Drivers: 15" cone, 6" cone & two 1" polycarbonate domes; Enclosure: bass reflex; Power rating: 150 watts; Impedance: 8 ohms; Finish: wood grain vinyl; Dimensions: 18½" x 29½" x 15"; Weight: 63 lbs each

#2364315 **OUR PRICE: \$379/PAIR** freight collect\*



## Altec Lansing 1012

Rarely has such superior sound, refined technology and excellent power handling been available — even more amazing is the price at which Altec can deliver these virtues. The 1012 is a stunning performer from a company whose pro equipment is legendary. You could spend less, but you won't find a better value. Warranty: 5 years. List price: \$599.90.

Frequency response: 55-20,000 Hz; Drivers: 12" cone, 5" cone & liquid cooled energy refracting transducer; Enclosure: vented; Power rating: 150 watts; Impedance: 8 ohms; Finish: walnut grain vinyl; Dimensions: 16½" x 29½" x 13¾"; Weight: 55 lbs. each

#1991012 **OUR PRICE: \$399/PAIR** freight collect\*



## ADC MS650 Mini Speaker

The MS650 exhibits unusually flat response characteristics and its uniquely shaped cabinet eliminates standing wave distortion. Warranty: 5 years. List price: \$290.00.

Frequency response: 62-20,000 Hz; Drivers: 6 1/2" high compliance woofer, 1" polyamide dome tweeter; Enclosure: acoustic suspension; Power rating: 10-150 watts; Impedance: 4 ohms; Finish: simulated oak; Dimensions: 6 1/2" square at top x 11" high x 8 1/2" wide x 7 1/2" deep at bottom; Weight: 18 lbs.

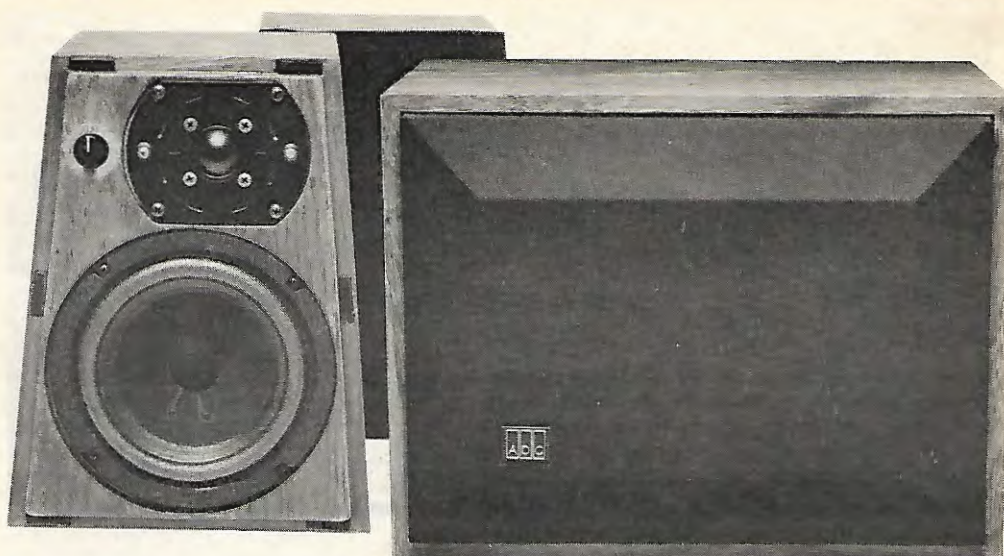
#012MS650 **OUR PRICE: \$229/PAIR** freight collect\*

## ADC MS10W Bass Module

Add high levels of very deep bass to your minispeaker system. Requires no other crossovers, amplifiers or the like. Warranty: 5 years. List price: \$199.00.

Frequency response: 30-75 Hz; Drivers: 10" dual voice coil woofer; Enclosure: acoustic suspension; Power rating: 20-150 watts; Impedance: 4 ohms; Finish: simulated oak vinyl; Dimensions: 17 1/2" x 13 1/2" x 10 3/4"

#012MS10W **OUR PRICE: \$149** freight collect\*



## Sansui S47

Incorporates a specially designed woofer scientifically matched to an acoustic suspension enclosure. Acoustic lenses improve high frequency dispersion. The finest sound for the money. Warranty: 3 years. List price: \$280.00.

Frequency response: 30-22,000 Hz; Drivers: 10" cone, 5" cone & 2" cone; Enclosure: acoustic suspension; Power rating: 70 watts; Impedance: 8 ohms; Finish: simulated walnut grain; Dimensions: 14" x 24" x 11 1/2"; Weight: 34 lbs. each

#141S47 **OUR PRICE: \$179/PAIR** freight collect\*

## SPEAKER ACCESSORIES

### Braeside Sound Steps

Smoked finish acrylic speaker stands. #035911A - projection angle: 5° 11" x 11" x 3 1/2" **OUR PRICE \$19**  
#0351100A - adjustable angle: 0 to 7° **OUR PRICE \$39**

### Sansui Wide Range Speaker Cable

DC amps immediately realize a cleaner high end and improved bass response. 23' long List price: \$79  
#141PS107C **OUR PRICE: \$59**

### 18 Gauge Speaker Wire

50 feet #137SW1850 **OUR PRICE: \$7**

### 16 Gauge Speaker Wire

50 feet #137SW1650 **OUR PRICE: \$10**

## HEADPHONES

### Koss HV/X

This lightweight Koss model combines a patent-pending variable density ear cushion and a breakthrough in element design. The result is great bass while obtaining an open and transparent sound through the midrange and highend. Frequency response: 15-35,000 Hz. Warranty: 1 year. List price: \$69.95.

#245HV/X

**OUR PRICE: \$59**

### Koss PRO4/X

With the PRO4/X, Koss engineers again set the industry standard by combining the rich bass of a rare earth moving coil dynamic element with the crisp, clear highs generated by a Piezoelectric tweeter. The sound has punch and clarity, even at high volume levels. Frequency response: 10-40,000 Hz. Warranty: 1 year. List price: \$85.00.

#245PRO4X

**OUR PRICE: \$79**

### Sony MDR-50T

Popularly priced representative of Sony's new generation of lightweight headphones. Samarium cobalt and high-molecule film diaphragms reproduce smooth extended frequency sound in a lightweight open air design. Includes unimatch plug. Frequency response: 18-22,000 Hz. Warranty: 1 year. List price: \$49.95.

#158MDR50T

**OUR PRICE: \$44**

### Sony MDR-80T

Featherlight, fatigue free design means comfortable listening for extended periods. You'll enjoy enchanting stereo sound and a slim, stylish look made possible by Sony's innovative technology. The included Unimatch plug allows use of the MDR-80T with personal stereos as well as home. Frequency response: 16-24,000 Hz. Warranty: 1 year. List price: \$84.95.

#158MDR80T

**OUR PRICE: \$79**

### Sennheiser HD-420

The "positively open" transducer system of the HD-420 ensures an extremely broad range of transmission frequencies and uniform frequency response. This headphone set is the finest we offer in terms of design, sound quality, convenience and wearing comfort. Made in West Germany. Frequency resp.: 18-20,000 Hz. Warranty: 1 year. List: \$89.00.

#143HD420

**OUR PRICE: \$79**

### Sennheiser HD40

The HD40 is Sennheiser's latest and lightest model with the electrifying clarity and definition that earned their forerunner's world renown. The price is so modest you won't feel anything but the music. Made in West Germany. Frequency response: 20-18,000 Hz. Weight: 60 grams without cord. Warranty: 1 year. List price: \$35.00.

#143HD40

**OUR PRICE: \$32**

**Headphone Extension Cable** 25 feet-coiled #01930511 **OUR PRICE: \$6**

**Stereo "Y" adapter** - use two headphones simultaneously #019307C **OUR PRICE: \$5**



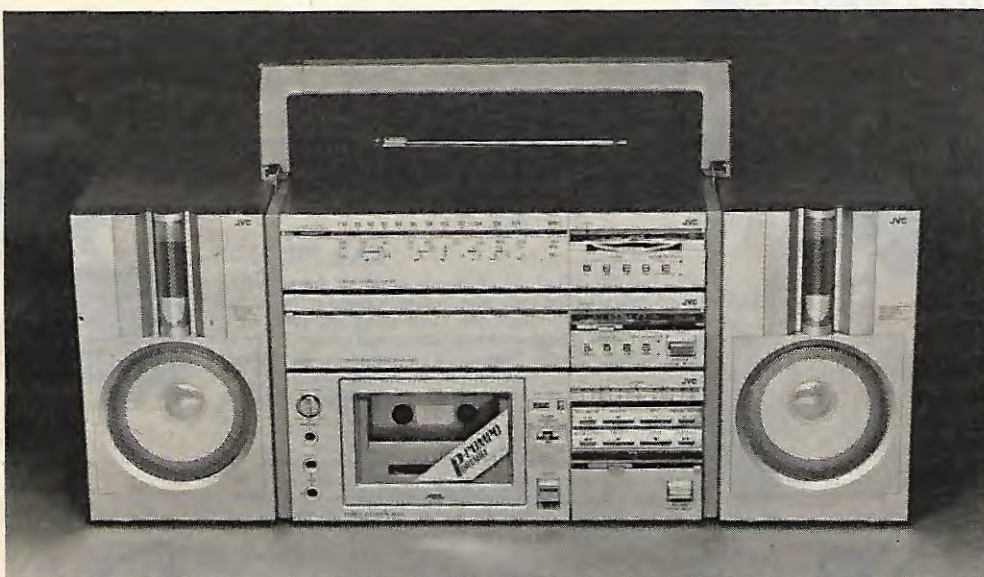


## Rotel Micro 70 System

The Micro 70 System was created in response to the needs of the audio fan who wants to enjoy high fidelity music with convenience and ease. First of all, Rotel gives you a choice of power supplies, from household AC current to 12 volt battery DC power, using the accessory converter unit (#145RVC1). From home to party to campsite, the Micro 70 System will go along with you to provide beautiful high fidelity performance. With a tuner-amplifier incorporating a sophisticated FM tuner, a metal-compatible tape deck and top quality speakers, you can enjoy excellent music reproduction wherever you are. List price: \$440.00.

#145MICRO70 **OUR PRICE: \$379**

#145RVC1 converter **OUR PRICE: \$60**



## JVC PC-5

For the ultimate in modern lifestyles—an audio product that does what you want, the way you want it done. The five components can be arranged in so many ways giving the PC-5 universal appeal. With the units combined, you have a high-quality portable. Separate the units and you've a mini component system that looks as good as it sounds wherever you install it—and its small size makes it ideal where space is at a premium. Warranty: 2 years. List price: \$649.95.

#111PC5 **OUR PRICE: \$499**



## Sansui CP-7

The CP-7 offers fully electronic Quartz-PLL tuning to provide touch-tuning of AM/FM/SW1/SW2. The biggest convenience is the preset station capability: five stations for each of the four bands. A built-in timer turns the CP-7 on and off any time within 24 hours, giving you the ability to record broadcasts when you're not home. Furthermore, a sleep function turns the CP-7 off after you've drifted to sleep. Disassembles with a coin for a home component look. Carry-around convenience and fine sound quality from Sansui. List price: \$799.00.

#141CP7 **OUR PRICE: \$549**



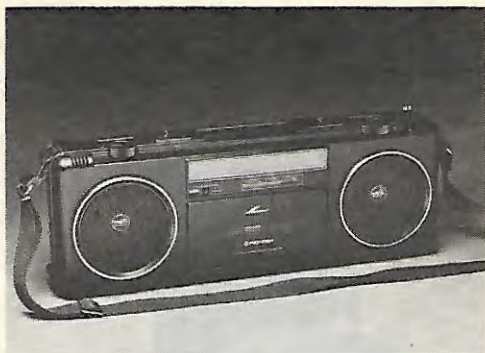


## Panasonic RX-5010

- AC/Battery FM stereo/AM portable cassette recorder • two 5" dynamic speakers • LED indicators for FM stereo and power on • Tone control can be set anywhere between bass and treble • Fixed AFC on FM • Volume and balance controls • One-touch Easy-Matic recording • Automatic stop tape mechanism • 3-digit tape counter • Operates on 120V or 6 "D" cells (not included)

Dimensions: 17 $\frac{3}{8}$ " x 9 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ ". Weight: 7.75 lb. Warranty: 1 year parts and labor. List Price: \$149.95

#133RX5010 **OUR PRICE: \$129**



## Pioneer SK-200

- Portable stereo AM/FM cassette recorder • Ultra sensitive long range tuner performance • balance, tone and volume controls • dual built-in condenser microphones • top front mounted easy access controls • digital tape counter • LED record/play and function indicators • full range 4" speakers with metal grills • hideaway telescopic swivel antenna • three way power capability • black and gold finish • versatile jack bank for interfacing with other systems.

Dimensions: 18 $\frac{3}{8}$ " x 6 $\frac{3}{4}$ " x 3 $\frac{1}{4}$ ". Weight: 5.3 lb. Warranty: 1 year parts and labor. List Price: \$199.95

#130SK200 **OUR PRICE: \$179**

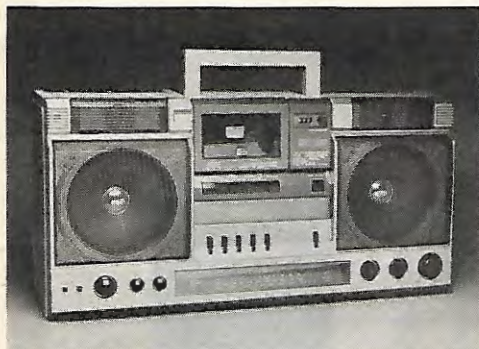


## Panasonic RX-5150

- Platinum Series AM/FM stereo cassette recorder • Two-way speakers (two 6 $\frac{1}{2}$ " woofers and two 1 $\frac{1}{4}$ " tweeters for big sound) • Ambience stereo disperses sound evenly • Volume, bass, treble, balance and loudness • Tape section accepts metal, CrO<sub>2</sub> and normal cassettes, features soft touch controls, TPS stops at gaps between songs in FF, REW • 7-stage LED meter for recording, playback level • Built-in condenser microphones • Universal voltage selector (110 through 250V AC) • Operates on 8 "D" batteries (not included).

Jacks: Line in, line out, mic in, ext sp, phones. Dimensions: 19 $\frac{1}{8}$ " x 11" x 6 $\frac{1}{8}$ ". Weight: 13 lb. Warranty: 1 year parts and labor. List Price: \$299.95.

#133RX5150 **OUR PRICE: \$249**



## Akai SJ-505

- Receive AM/FM stereo/SW broadcasts • two 6 $\frac{1}{2}$ " woofers, two 1 $\frac{1}{2}$ " tweeters • soft touch controls • twin field Super GX head • metal tape capability • timer recording/playback capability • instant program location system • two 9 segment LED bargometers • soft eject • automatic recording level control • two built-in electret condenser microphones

Jacks: line in/out, ext mic, ext. sp, phones; Dimensions: 22 $\frac{1}{4}$ " x 5 $\frac{3}{4}$ " x 11 $\frac{1}{4}$ ". Weight: 18 lb. Warranty: 1 year parts and labor (super GX head warranted for 150,000 hours). Power output: 7.0 watts per channel; frequency response: 50-17,000 Hz (metal tape). List Price: \$379.95

#022AJ505 **OUR PRICE: \$329**



## JVC RC-M70

- Receive stereo FM/MW/SW1/SW2/SW3/SW4 broadcasts • Tape section includes normal/CrO<sub>2</sub>/metal switch, Manual/Automatic record level, Sen-Alloy Record/Playback and Erase heads, Multi Music Scanner, damped cassette door • Separate bass, treble plus loudness • 7.0 watts per channel provided by BTL amp • Two heavy duty 6 $\frac{1}{2}$ " woofers and 2" tweeters • Two 3-way VU meters • Built-in RIAA equalizer for direct turntable hookup • Frequency response: 40-16,000 Hz (metal tape) • Operates from 120/220/240V AC, 15V DC (10 "D" cells).

Dimensions: 21 $\frac{1}{8}$ " x 11 $\frac{1}{8}$ " x 5 $\frac{1}{8}$ ". Weight: 18 lb. Warranty: 1 year parts and labor. List price: \$479.95.

#111RCM70 **OUR PRICE: \$359**



## JVC RC-M80

- Synthesizer tuning system automatically scans up or down FM/MW/SW bands • 12-station random presets (6 FM, 6 others) • Two-motor full-logic tape transport with Sen-Alloy record/playback and erase heads • Accepts normal, CrO<sub>2</sub> and metal tapes with three step Automatic Recording Level • Dual volume, bass, treble and feathertouch tape controls • Built-in RIAA equalizer for direct turntable hookup • 3.5 watts per channel into 6 $\frac{1}{2}$ " + 2" speakers • Frequency response: 40-16,000 (metal tape).

Jacks: line in/out, ext mic, ext sp, phones. Dimensions: 20 $\frac{1}{8}$ " x 11 $\frac{1}{8}$ " x 5 $\frac{1}{8}$ ". Weight: 16.5 lb. Warranty: 1 year parts and labor. List price: \$559.95

#111RCM80 **OUR PRICE: \$379**





## Intervox MK-635

- Feather light FM stereo receiver • lightweight foldable headphones with samarium cobalt elements • dual headphone jacks • dual volume controls • stereo indicator LED • belt clip • mono/stereo switch • carrying case and shoulder strap • requires three "AA" batteries • dimensions: 4 $\frac{3}{8}$ " x 3 $\frac{3}{8}$ " x 1"; weight: 7 oz.; 90 day parts and labor warranty. List price: \$69.95.

#106MK635 **OUR PRICE: \$39**



## Technidyne HPR-184

- Stereo FM/AM radio with new style clip-on earphones (no headband!) • two headphone jacks • LED stereo indicator • dual volume controls • stereo/monaural switch • includes carrying case and shoulder strap • plays 10 hours on three "AA" alkaline batteries (4.5V) • dimensions: 2 $\frac{7}{8}$ " x 4 $\frac{7}{8}$ " x  $\frac{3}{4}$ "; weight: 5 oz; warranty: 90 days parts and labor

#185HPR184 **OUR PRICE: \$49**



## Sony FM Walkman

- Miniature FM stereo receiver • Featherweight MDR headphones • FET RF amplifier for high sensitivity • Two headphone jacks • Built-in belt clip. Dimensions: 4 $\frac{3}{8}$ " x 3 $\frac{3}{8}$ " x 1". Weight: 7 oz. Warranty: 1 year parts, 90 days labor. List price: \$89.95.

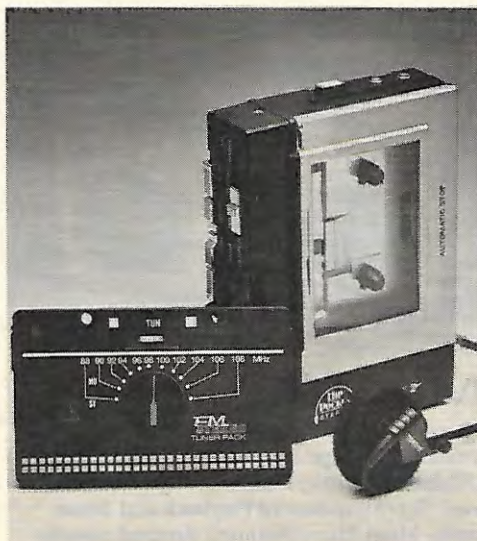
#156SRF40W **OUR PRICE: \$79**



## Sony Walkman

- Stereo cassette tape player • Includes sensational Sony headphones • Built-in belt clip • Optional AC adapter #470D11 \$12; Optional car battery cord #472A11 \$12. Dimensions: 6 $\frac{3}{8}$ " x 3 $\frac{3}{4}$ " x 1 $\frac{5}{8}$ ". Weight: 1 lb. 1 oz. Warranty: 1 year parts, 90 days labor. List price: \$99.95.

#156WM1 **OUR PRICE: \$89**



## Technidyne HPS-175

- Stereo cassette player includes FM tuner cassette • foldable headphones • two headphone jacks • dual slide volume controls • automatic stop • hi/lo tone control • carrying case with shoulder strap • plays 8 hours on three "AA" alkaline batteries (4.5V) • frequency response: 40-12,000 Hz; dimensions: 5 $\frac{1}{8}$ " x 1 $\frac{1}{4}$ " x 3 $\frac{3}{8}$ "; weight: 13.5 oz.; warranty: 90 days parts and labor

#185HPS175 **OUR PRICE: \$99**



## Sony Walkman 2

- Mini size • External battery case allows 60 hours play • Frequency response: 40-15k Hz • Accessories: AC adapter #AC39 \$19; Car battery cord #DCC127A \$29; Sport pouch #LCW3 \$25. Dimensions: 4 $\frac{3}{8}$ " x 3 $\frac{3}{4}$ " x 1 $\frac{1}{4}$ ". Weight: 9 $\frac{1}{2}$  oz. Warranty: 1 year parts, 90 days labor. List price: \$179.95.

#158WM2 **OUR PRICE: \$159**



## PERSONAL STEREO ACCESSORIES



### Intervox SHP-200

High sensitivity samarium cobalt magnets make this new bandless design possible. Earcups are fully adjustable for maximum comfort. Includes carrying pouch. Frequency response: 20-20,000 Hz. List price: \$29.95.

#106SHP200 **OUR PRICE: \$19**



### Sony Earphones

New style hanger type MDR stereo earphones employ samarium cobalt magnets to produce highly defined sound. Includes carrying pouch and extra earpads. Frequency response: 40-18,000 Hz. List price: \$34.95.

#156MDRE33 **OUR PRICE: \$32**



### Mura REDSET VII

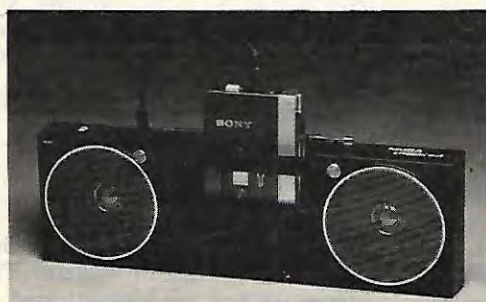
By combining samarium cobalt magnets with a unique magnetic flux upriser to further increase magnetic flux density, Mura has produced a lightweight headphone that exhibits superb low frequency response at a phenomenally low price. Ready to plug into your personal stereo or home stereo - has both plugs. Frequency response: 20-20,000 Hz. 2 year warranty.

#123RDST7 **OUR PRICE: \$34**

### Koss "Sound Partner"

Sound Partner is featherlight, yet delivers the famous sound of Koss prized by discriminating listeners. The unique around-the-ear clasp and head cushions give a comfortable yet secure fit. Frequency response: 20-17,000 Hz. Warranty: 1 year.

#245KSP **OUR PRICE: \$35**



### Mura Steppin' Out

Just plug your Walkman (or any brand) into Mura's Steppin' Out and the sounds step right out through two 4" center domed speakers driven by a quality stereo amp. Now you have a choice: solo or sharing with Steppin' Out. 90 day warranty.

#123HS15 **OUR PRICE: \$54**



### Rechargeable Batteries

General Electric nickel cadmium batteries can be recharged up to 1,000 times or more. They last for years. They are convenient, saving you the time, expense and trouble of replacing ordinary throw-away batteries. The more throw-away batteries you're using, the sooner the GE Recharge Battery System will pay for itself and actually save you money!

#BC1 GE MaxiCharger **\$20**

#2GC2 size "C" batteries **\$9/PAIR**

#2GC1 size "AA" batteries **\$8/PAIR**

#2GC3 size "D" batteries **\$10/PAIR**



### Mura Steppin Out 3

Here it is, the ultimate Steppin Out, with features, performance and power that'll knock your socks off! Frequency response of 50-20,000 Hz from 5" woofers and 1/2" dome tweeters; bass boost and treble boost switches; stereo expander switch; four big watts of amplifier. You also receive a carrying strap with shoulder pad. Add a new dimension to your personal stereo with the new Steppin Out 3. 90 day warranty.

#123HS45 **OUR PRICE: \$79**

### Mura MiniMates

Adapter Kit includes: one mini stereo 12 foot extension cord, one 1/4" stereo to mini stereo 4 inch adapter cord, one mini stereo to 1/4" stereo adapter, one mini stereo to mini mono adapter, one storage case

#123MINMAT **OUR PRICE: \$9**

### Sony MDR-FM7

Sony brings you a whole new dimension in personal, portable stereo entertainment with the MDR-FM7 quartz crystal FM stereo headphone receiver. Auto scan tuning and six presets make it as easy to use as it is comfortable to wear at a mere 6 1/2 ounces. Sounds great too! List price: \$149.95.

#156MDRFM7

**OUR PRICE:**

**\$139**





## Home Security

There is an old saying that goes, "You don't know what you've got until it's gone." Indeed, many people remain unaware of our nation's new crime wave until they join the ranks of its victims. Statistics show that there has been a large overall increase in crime. However, you should consider that the type and volume of crime will vary from place to place due to a large number of vital influences.

The first vital influence in the growth and development of a criminal element is the size and density of the population of your community. Obviously, if you live in a major city or its suburbs, the chances that crime will touch your life are relatively high. Another factor is the relative stability of the citizens of your community. If there is a high percentage of transient types in your area you have another good reason to invest in safety and security products.

Climate is another big factor. Residential burglary and auto theft increase dramatically during the summer months. Economic conditions also affect crime rates. When you take into consideration the high price of silver and gold and the resulting rise of the transient precious metal traders, you begin to understand why residential burglars are so busy these days. Your jewelry and silverware are their prime targets.

Your first line of protection against burglary is a well lit, *apparently occupied* house. The BSR System X-10 can be programmed to turn lights on and off in a random fashion so nobody knows that nobody's home. The System X-10 can also dim lights to save energy. If you hear someone attempting to break in you can turn all lights on at once to scare the intruder away.

Your final line of protection against break in is an alarm system. The systems we sell are sophisticated in their design yet simple to install and

surprisingly affordable. A professionally installed system generally offers no better protection at a substantially higher cost.

## Auto Alarms

Every year more and more cars are stolen and each year fewer and fewer stolen cars are recovered. In fact a car is stolen every 28 seconds in the U.S. The majority of the stolen cars are *not* expensive Porsches and the like. Fuel efficient Volkswagens, Hondas and Datsuns are disappearing at an alarming rate. A \$6,000 to \$7,000 car may contain as much as \$25,000 to \$30,000 worth of parts, if purchased separately on the retail market. It takes an experienced cutter about 30 minutes to reduce the average car to saleable parts.

You can fight car theft with one of our alarm systems. The systems we offer are easy to install, offer the consumer a good value and above all are an effective deterrent to theft.



## BSR System X-10

It's much more than just a simple timer. It's the heart of the revolutionary BSR System X-10. Functioning simultaneously as a powerful security agent, a silent butler and an energy watchdog, the TC-211 wires your home into the computer age for less money than you save the first few years you use it. You can program lights to turn on and off in a random fashion or have your coffee waiting for you in the morning. You can even program appliances like your room air conditioner for maximum energy efficiency. The TC-211 interfaces with the modules listed below. See page 109 for additional System X-10 components. List price: \$74.99

#009TC211 OUR PRICE: \$59

#009W5711—Independent wall switch module can be switched on and off even if the X-10 is in "off" position. \$19.

#009SR227—split receptacle. Looks like standard dual wall jack. One receptacle is X-10 lamp module. One receptacle remains normal. \$23.

#009AM286—two prong polarized appliance module. \$19.

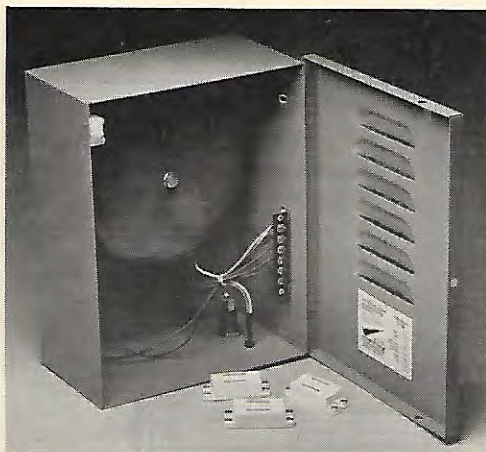
#009AM611—appliance module: 15 amp resistive load, one-third h.p. motor load, 500 watt incandescent lamp load. \$19.

#009LM501—lamp module, 300 watt incandescent. \$18.

#009WS2677—3-way wall switch set for use where 2 switches operate one light fixture. Consists of one pushbutton wall switch and one companion switch. \$23.

#009CS277—companion switch for use with WS2677 when more than 2 switches control the same light fixture. \$6.





## Universal Professional Hard Wired Home Alarm System

The complete do-it-yourself burglar alarm system for residential use. The system provides a protective closed circuit loop that constantly monitors doors and windows for forced entry. Breaking the circuit instantly sounds the alarm. Operating power is drawn from a 12 volt lantern battery (not included). Special features include a built-in timer which automatically turns off the sounding bell after approximately 5 minutes, and an LED light which indicates when the alarm has been triggered in the home-owner's absence.

The system comes complete within an 85 dB, 8" bell, heavy-duty weather-resistant cabinet

with built-in tamper switch protection, 100 feet of double strand circuit wire, six sets of magnetic contact switches, two pick-resistant keys, panic button, indoor "on-off" toggle switch, white insulated staples, two window warning decals, and complete easy-to-follow instructions. List price: \$99.95.

#198BA330 **OUR PRICE: \$79**

## Universal Accessories

### Magnetic contacts

Extra magnetic contacts to protect doors, windows and other moveable openings. Each set of contacts consists of a switch with 2 terminals and a magnet. 2 sets per package.

#198539CPB **OUR PRICE: \$5**

### Foil connectors

Easy self-stick terminal blocks for connecting window foil to the protective circuit. 6 per package.

#198681B **OUR PRICE: \$2.50**

### Alarm wire

100 feet of 22 gauge double strand twisted alarm wire. White.

#198789AS **OUR PRICE: \$7**

### Window foil

120 feet of self-stick 3/8" wide foil for window protection. No varnish needed.

#198883B **OUR PRICE: \$4**

## Zenith Video Sentinel

The Zenith Video Sentinel system combines TV with home surveillance. It's a quality Zenith black and white TV until someone rings your doorbell. Then it's your automatic doorman! You can see and talk with who's there all from the safety and privacy of any room in your home without opening your door to strangers. Check up on your children at the pool or in the nursery while you watch TV or work at household chores.

The Video Sentinel system includes a 12" diagonal black and white TV, closed circuit camera with versatile anti-theft mounting bracket, doorbell/intercom that automatically activates the TV, intercom and camera plus 60 feet of cable from TV to camera and 25 feet of cable from camera to doorbell. Warranty: one year parts, 90 days labor. List price: \$399.95.

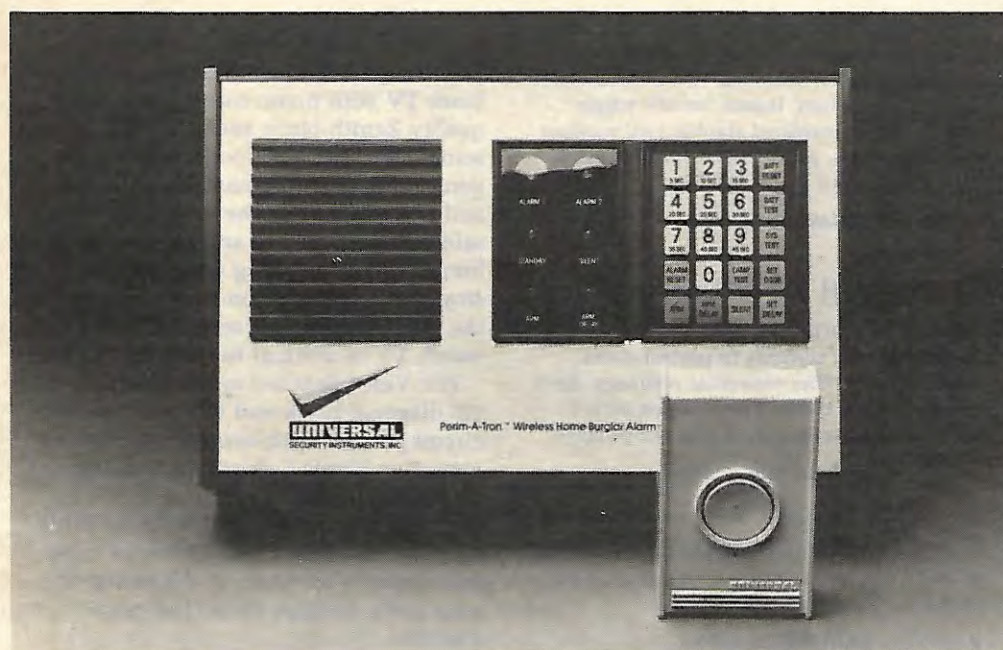
#241M620P **OUR PRICE: \$379**

## Video Sentinel Accessories

#241VSC100	Monitor TV Camera	\$199
#241ZLWS-20	3-way camera switch box	\$ 75
#241ZLOH-20	Weatherproof camera housing	\$ 45
#2412445-01	Camera extension cable 30'	\$ 35
#241A-8930	3-way camera mount	\$ 20
#2412445-02	Camera extension cable 60'	\$ 60
#2412445-03	Standard camera cable 60'	\$ 60







## Perim-A-Tron Wireless Alarm System

Universal's exciting new Perim-A-Tron is the world's most advanced do-it-yourself home burglar alarm system. A couple of hours of easy installation give the kind of total - perimeter protection that used to require days of hard-wiring. Perim-A-Tron is easy to install and use because it's *wireless*. Small radio transmitters at doors and windows signal the alarm receiver if an intrusion occurs. No wires are needed to connect the window and door units to the receiver. The transmitters can be placed up to 300 feet from the receiver, protecting the largest homes and even detached garages or sheds.

Perim-A-Tron features a space age microprocessor for the ultimate in system customizing and flexibility. An owner can instantly program his own 3-button disarm code and an entry/exit delay of 5 to 45 seconds. Transmitters can be set for either entry delay, as on the main door, or instantaneous alarm for seldom-used doors and windows. In case of an intrusion, the alarm will sound for 10 minutes, then shut off and reset automatically. A memory light stays on to show that the alarm has sounded.

Perim-A-Tron has two alarm channels with different sounds, allowing the user to zone his security system. For example: House on Channel 1, Garage on Channel 2, or Doors on Channel 1, Windows on Channel 2, or Main Floor on Channel 1, Basement on Channel 2, etc. Transmitters on either channel can be set for instant or delayed operation as needed.

Perim-A-Tron's receiver uses wall-outlet power with battery backup (6 alkaline "C" cells). The transmitters use 9-volt alkaline batteries that last up to one year (batteries not included). Perim-A-Tron has automatic warning of transmitter battery failure and easy-to-use

system test features that also tell you if a door or window is ajar when you prepare to leave your home. When intrusion occurs it sounds a loud, piercing warning from its internal speaker and can also power an optional outdoor horn speaker.

Perim-A-Tron's transmitters are truly universal. They can be installed without even a screwdriver by using the double sided adhesive tape supplied or they can be mounted by using the screws included. Each transmitter comes with a magnet that enables it to detect the opening of the door or window where it is mounted. Additional magnetic switch-sets can be easily wired to any transmitter in a "closed loop" to protect additional doors and windows, thereby holding down the total installation cost. Each transmitter can also function as a "panic button" or personal emergency transmitter to set off the alarm whenever the user feels threatened or frightened and is simple to carry wherever desired.

Perim-A-Tron's handsome case with wood-grain ends and brushed aluminum top blends into any decor. Case dimensions are 10 3/4" x 6 7/8" x 3 3/8".

Transmitters are a neutral off-white. The dimensions are 3 3/8" x 2 1/2" x 1 3/4".

Perim-A-Tron is offered in three different packages, each of which carries Perim-A-Tron's ninety day warranty. When ordering, please specify:

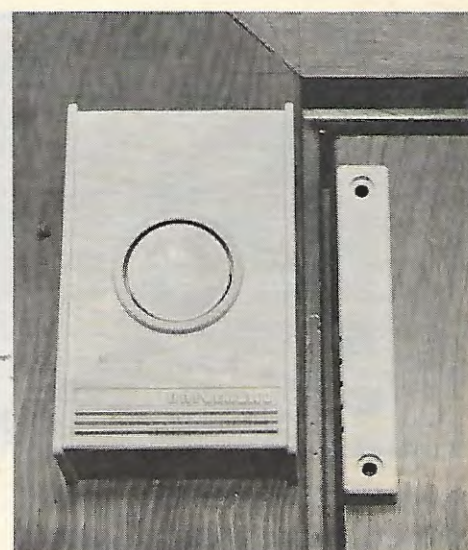
### PT-1000

The basic Perim-A-Tron alarm system consists of receiver and one transmitter. List price: \$199.95.

#198PT1000 **OUR PRICE: \$169**

### PT-1100

The expanded Perim-A-Tron alarm system consists of receiver, three transmitters, and



outdoor alarm horn speaker. List price: \$274.95.

#198PT1100 **OUR PRICE: \$229**

### PT-1200

The deluxe Perim-A-Tron alarm system consists of receiver, six transmitters, and outdoor alarm horn speaker. List price: \$359.95.

#198PT1200 **OUR PRICE: \$299**

## Perim-A-Tron Accessories

### PT-111

Extra Perim-A-Tron transmitter for protecting additional doors and windows. List price: \$34.95.

#198PT111 **OUR PRICE: \$33**

### PT-112

Extra magnetic contact pairs for protecting additional doors or windows with an existing transmitter, consists of two switches with magnets, two alignment spacers, and 20 feet of 22 gauge clear 2-conductor wire. List price: \$11.95.

#198PT112 **OUR PRICE: \$12**

### PT-115

Turns on lamps (or stereo) when Perim-A-Tron system is activated. Provides relay closure to operate telephone dialer, Perim-A-Tron transmitter, or to connect Perim-A-Tron to existing wired home alarm system. List price: \$39.95.

#198PT115 **OUR PRICE: \$38**

### SP-1212

Weatherproofed white ABS plastic outdoor horn speaker on adjustable metal bracket with 50 feet of cable and 2-conductor plug. List price: \$24.95.

#198SP1212 **OUR PRICE: \$24**





## Seeker 1 Professional Home Security

The latest advancement in home security, the Seeker 1 offers professional protection without costly custom installation. Seeker 1 is a major breakthrough in home security. Using a small radar sensor, the kind used in the U.S. Mint, Seeker Security Systems has created an affordable and highly effective residential alarm that anyone can install in a matter of minutes. The Seeker 1 is a *complete* security system: a high quality control module, 40 foot sensor, loud electronic siren, panic button, wire, and hardware. No additional components are necessary! For special applications, however, additional sirens and radar sensors can be added to the system, as well as an automatic security dialer, glass breakage detectors, and a host of traditional, normally closed magnetic and contact switches.

Major features of the Seeker 1 follow:

**Exit and Entry Delays** – Built-in 45 second exit and 15 second entry delays allow you access to your home.

**Automatic Alarm Cut-off and Rearm** – Siren will sound as long as the intruder moves about, and for two minutes after he has left. Seeker 1 will then shut off and rearm, ready for the next intrusion.

**False Alarm Protection** – Adjustable sensitivity and microprocessor circuits help prevent false alarms. The system is not affected by air currents, temperature, or noise.

**Test Functions** – LED indicator lights allow you to test the entire system without triggering the electronic siren.

**Tamper-Proof Circuitry** – If the line to the sensor is cut, the siren will automatically be triggered.

**Multiple Sensor Installation** – Up to 4 radar sensors may be wired into the Seeker 1 control module.

**Standby Power** – An internal, automatic rechargeable ni-cad battery pack will power the system for approximately 2 hours if the AC power is cut or shut off.

**AC Receptacle** – Seeker 1 will turn on any 115 volt AC device that is plugged in to the control module: a lamp, flood light, tape recorder, etc. When an intrusion is detected, the AC receptacle is activated.

The dimensions of the control module are 6 $\frac{3}{4}$ " x 2 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ ". The standard 40 foot sensor measures 5" x 2 $\frac{7}{8}$ " x 1 $\frac{1}{8}$ ". Seeker Security Systems, Inc. provides a one year parts and labor warranty. List price: \$310.00.

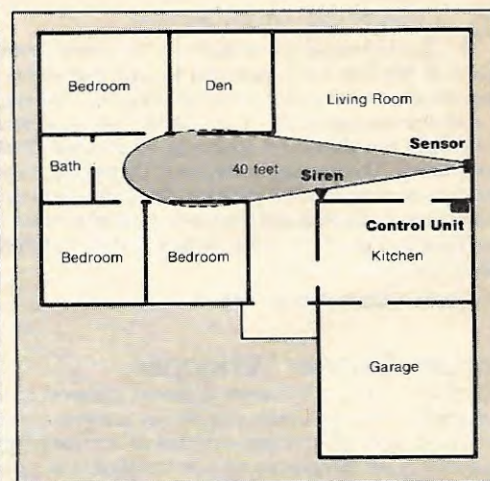
#172SEEKER **OUR PRICE: \$249**

## Seeker 1 Accessories

**6007M**  
Wide angle 25 foot sensor – The squat teardrop pattern has a 25 foot maximum range and 15 foot width. Especially good for coverage of a single room or open area. Easily surface mounted on a wall or ceiling. May be painted or hidden behind curtains, paintings, wall baskets, etc. Low cost makes the 6007M perfect for multiple sensor systems. Dimensions: 4" x 4" x 1 $\frac{3}{4}$ ". List price: \$109.95.

#1726007M **OUR PRICE: \$89**

**6007SA**  
Standard 40 foot sensor – the same high quality sensor included with Seeker 1. Its



teardrop pattern has a 40 foot maximum range and 14 foot width. An adjustable mounting bracket and 3-conductor hook-up wire are included. Good for covering rooms and hallways. Range is adjustable from 6 feet to 40 feet. Dimensions: 5" x 2 $\frac{7}{8}$ " x 1 $\frac{1}{8}$ ". List price: \$165.00.

#1726007SA **OUR PRICE: \$129**

## 6007EB

Long range 100 foot sensor – stretched teardrop pattern with 100 foot maximum range and 35 foot width. Slightly larger but thinner than 6007SA. Especially good for warehouse applications or where wall penetration is an integral part of coverage pattern. An adjustable mounting bracket is included. Range is adjustable from 3 feet to 100 feet. Dimensions: 5 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " x 1 $\frac{1}{8}$ ". List price: \$225.00.

#1726007EB **OUR PRICE: \$179**

## WAI-1S

The WAI-1S glass break detector is only sensitive to the specific frequency of glass breakage – no false alarm with normal shock or vibration. The unit covers an area eight feet from the sensor. List price: \$9.25

#172WAI1S **OUR PRICE: \$9**

## SS-51

Self contained electronic siren for multiple siren installations. List price: \$29.95.

#172SSS511 **OUR PRICE: \$24**

## ATD

Automatic telephone dialer will dial two numbers and is programmed professionally with your specific message. When ordering specify the two numbers you want dialed and the brief message you want programmed. Allow 4 to 6 weeks for delivery. List price: \$265.00.

#172ATD **OUR PRICE: \$199**



## AUTOMOBILE ALARMS

### A Universal Silver Bullet

The Universal Silver Bullet is the world's most easily installed auto alarm. It requires the connection of only four wires, all in the engine compartment. The Silver Bullet is armed by flicking the headlights. There is a 45 second exit delay. If an intruder opens a door and activates the dome light the alarm will sound an 85 dB blast. You have a 13-second entry delay. The system is disarmed by placing your key in the ignition and turning it to the "on" position. If an intrusion occurs the alarm sounds for 3 minutes and then automatically resets itself. You can protect the hood and trunk by using factory installed or optional trunk and hood lights. List price: \$59.95.

#198ES444 **OUR PRICE: \$49**

### Sooper Dooper Whooper

The Sooper Dooper Whooper is almost identical to the Silver Bullet. The difference is that openings that do not activate a courtesy light can be protected with optional pin switches or mercury lights. A shaker switch or mercury tilt switch can also be installed. List price: \$54.95.

#198ES4100 **OUR PRICE: \$44**

### B Page Alert 4000

The Page Alert is a silent vehicle theft warning system that easily installs in your car, truck, motor home, motorcycle, airplane, or boat. The instant a thief breaks in a 4 watt transmitter sends a coded signal to a small pager. The system has a range of up to one mile and uses one of over 10,000 different tone codes thereby eliminating false alarms and possible interference from other units. List price: \$189.95.

#129PA4000 **OUR PRICE: \$99**

The Page Alert may be used with the following accessories:

#129SEN1: two micro-sensors with 9 foot leads	\$9
#129SEN2: two micro sensors with 25 foot leads	\$12
#129MD1: negative ground motion detector	\$15
#129HD2: horn and light driver	\$42
#129ANT1: tape-on antenna	\$8

### C ARMED WA9X

An ARMED vehicle protects itself around the clock with a completely automatic electronic alarm system. The WA9X contains the electronic module and a 113dB siren. The module is activated by your ignition key. It is triggered by the courtesy lights or by optional pin switches. There is a two minute exit delay and a two minute reset after the alarm is triggered. Entry delay is programmable from 4 to 40 seconds. List price: \$89.95. An engine lock module (#EL1A) is also available.

#031WA9X **OUR PRICE: \$59**

#031EL1A **OUR PRICE: \$29**

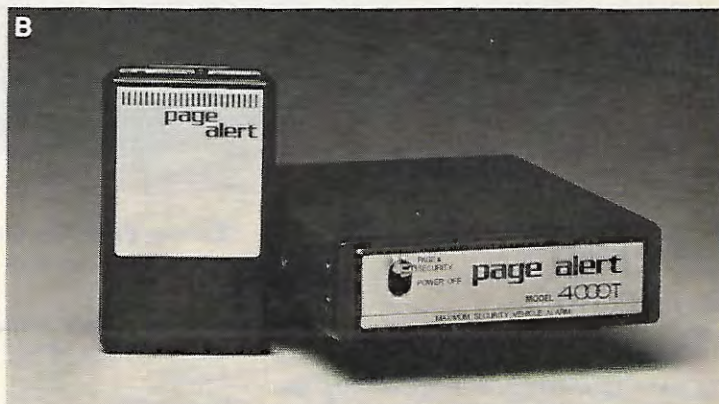
### D Beartrap 2000

The fully automatic Beartrap 2000 is a versatile and reliable current and motion sensing alarm system with the loudest growl in town. The Beartrap Siren produces an extremely painful 125dB blast. It comes with an adjustable sensitivity shaker switch, a thoughtfully designed control box that allows you to select a 7 or 30 second entry delay, an on/off switch for the motion detector and a panic button. Exit delay is preset at 2½ minutes. Resets 2 minutes after an intrusion. List price: \$99.00.

#016B2000 **OUR PRICE: \$69**

### Alarm Accessories:

#198614 - Pin switch for door jambs	\$2
#198614N - Pin switch for hood or trunk	\$2
#198614LN - Extra long pin switch for hood or trunk	\$2
#1985536 - Trunk bracket for 614N or 614LN	\$2
#1985536B - 90 degree bent hood bracket for 614N or 614LN	\$2
#198U-26 - Tilt light. Use if neither hood nor trunk activates courtesy light	\$3
#198U-24 - Mercury tilt switch	\$4
#198U-2A - Shaker switch	\$6
#25037E - keyless hood or trunk lock	\$17





## Phone Your Own!

### It's Legal!

It is now as legal to buy your phones and plug them into the phone company's outlets as it is to buy your own toaster and plug it into your power outlets.

### Save Money!

As an example, Southern Bell charges \$1.65 per month for a basic rotary dial desk phone. You can buy the same phone from Crutchfield for \$29. Now think about how long phones last. Do you want to keep on paying \$1.65 per month for 10 or 20 years or as much as \$400 for a \$29 telephone?

### But, Before You Buy...

Take time out to learn about the amazing features of today's generation of telephones. Just read through our telephone glossary. If your house has the old style 4 pin jacks you'll need an adapter. If your house or apartment has no jacks at all you'll have to get your local phone company to install them at your expense. Unfortunately, the phones we sell may not work properly on party lines.

The phone product we carry are designed primarily for residential use. Our technicians are *not* well versed in the installation of intricate business systems. At present, you will have to enlist the help of a professional interconnect company or local telephone company to install the equipment we sell in a complicated business system.

When you purchase your own phones the FCC requires that you notify the local phone company and provide them with the FCC registration number and ringer equivalency number of each new phone. As a complementary service we will provide these numbers before the sale if you wish to check with your phone company before ordering.

## TELEPHONE GLOSSARY

**Pulse dialing**—Phones with pulse dialing have pushbuttons that generate a series of pulses or clicks that simulate the action of a rotary dial phone. Pulse dialing gives you the convenience of pushbuttons on a less expensive rotary line.

**Tone dialing**—Phones with tone dialing are much faster than pulse or rotary phones. And unlike pulse or rotary phones, tone phones are compatible with alternative long distance services such as Sprint or MCI. Before you buy a tone phone make sure you have, or can get, a tone line.

**MCI**—An alternative long distance service available in more than 185 major metropolitan areas. This service is now available to American Express card members at a 20% discount. The service allows you to make long distance calls for 15-50% less than you could through normal channels. To use MCI or other similar services you need a tone telephone. If you do not have tone service you can buy the U.S. Tron DJ-11H Duo (page 90) which will allow you to dial the local MCI access number in pulse then switch over to tone dialing when the MCI dial tone comes on line.

**On hook dialing**—A feature found on automatic dialers and a few telephones with built-in memory dialing, on hook dialing lets you keep your hands free while your number is automatically dialed. You pick up the receiver when you hear your party answer over a small built-in monitor speaker or, in the case of the Demon Dialer, when a beep signals a successful connection.

**Last number redial**—Usually activated by the # button on a one-piece electronic phone, this feature lets you automatically redial the last number you dialed.

**Busy number redial**—The Demon Dialer, for instance, will repeatedly dial busy or unanswered numbers at specific intervals until the call is completed.

**Conference call**—A feature that links both lines of a two line phone to allow a three way conversation (see U.S. Tron DJ-2H, page 90.)

**Call screening**—A feature common to answering machines that lets you monitor

calls as your party leaves a message so you can avoid nuisance calls yet still be poised to answer important ones.

**VOX**—Stands for voice activation. Inexpensive call screen/answering machines records fixed length (usually 30 seconds) incoming messages. More sophisticated machines employ VOX which allows messages to be recorded in their entirety no matter how long or short. When the caller stops speaking and the machine senses seven seconds of silence it shuts off. Vox allows long messages to be recorded and saves tape if the message is shorter than 30 seconds.

**Security**—There is a limited number of frequencies that manufacturers can use when designing cordless telephones. This means that it is possible that two people in the same neighborhood will have phones on the same frequency and thus have access to each others phone lines. A security circuit prevents a neighbor from placing calls, using his handset, over your phone line.

**Audio Paging**—Some cordless phones such as those made by Extend-A-Phone feature an intercom that permits two way conversations between a phone connected to the base unit and the cordless handset.

To initiate a conversation over the intercom you press the "page" or "call" button on the base unit which causes the handset to beep. If the person with the handset then activates the "talk" mode a conversation can take place over the intercom. A few cordless systems feature *two-way paging* which allow the handset to page the base or vice versa. The great thing is that the intercom can be used without tying up your phone line.

Many factors affect the range of a cordless phone. The AC wiring of your house serves as an antenna, so reception quality can vary greatly depending upon which outlet is used. Aluminum siding can adversely affect the range of your phone. In order to maximize range, the base station should be on the second story, if possible. An AC extension cord also helps extend range, especially if your house wiring is shielded. Your actual range may be slightly worse than the manufacturer's claims.





## Dictograph PC-30 Phone Controller

The Phone Controller saves you time and money by dialing any one of up to 30 frequently called numbers. But it doesn't stop there. It can repeatedly dial a busy number up to 14 times at one minute intervals. It's built-in conference speaker allows on-hook dialing. Also features tone or pulse dialing, backspace/erase when programming numbers, time pauses for access codes, MCI and sprint compatability, hold, outgoing call timer, security lock, and battery backup (batteries not included). 90 day warranty. List price: \$129.96.

#PC30 **OUR PRICE: \$99**



## Zoom Telephonics Demon Dialer 93T

The Demon Dialer is a remarkable computer "brain" that turns any phone into a wonder of telephone technology. The Demon Dialer dials and redials up to 93 numbers. The 93T is MCI and Sprint compatible. It can continuously redial busy or unanswered numbers and ring when your party answers. But the most remarkable fact of all is that a single Demon Dialer can give these capabilities to every phone in your home with built-in battery back up. 1 year warranty. List price on the 93T is \$180.00.

#93T **OUR PRICE: \$159**



## Universal Intelliphone TEL1000

Universal's versatile Intelliphone features 10-number memory dialing, automatic busy number redial, hold button, call timer, alarm clock with snooze and much more. When placing calls Intelliphone's handset can be left on the hook until the answering party is heard over the loudspeaker. Intelliphone features an easy-to-read fluorescent display and comes with modular telephone cord, AC line cord and a slide-out index tray. A nine-volt battery (not included) preserves the memory in the event of a power failure. Intelliphone comes in beige with a brown faceplate or white with a navy faceplate. 90 day warranty. List price: \$139.00.

#TEL10B (beige) **OUR PRICE: \$129**

#TEL10W (white) **OUR PRICE: \$129**



## Panasonic KX-T1235

The KX-T1235 automatically dials any one of 60 numbers at the touch of a button. Each number can be as many as 16 digits long. The KX-T1235 can be programmed for tone dialing or rotary dialing at 10 or 20 pulses per second. Direct dialing capability lets you dial a number manually on the unit instead of on the phone. Battery-memory back up system prevents loss of memory in the event of a power failure. One touch redial feature automatically dials the last-dialed number. Monitor speaker lets you know when to pick up or if the line is busy. Automatically shuts off when you get a busy signal. Can be wall mounted. Comes with a modular "T" adapter. One year warranty. List price: \$179.95.

#XT1235 **OUR PRICE: \$139**



## CORDLESS TELEPHONES

### Phone-Mate Roam Phone

Meet the Roam Phone family. Phone-Mate's revolutionary cordless concept begins with the Roam Phone transceiver. Unlike other cordless phone systems Roam Phones's transceiver is not a re-charging station. Since its only function is transmitting and receiving you can plug it into any phone jack and hide it away. The powerful Roam Phone transceiver, the IQ1100, gives the Roam Phone cordless family a roaming range of approximately 600 ft.

#### Telephones. Not walkie talkies.

Both receiver/handsets are styled to look like telephones, not walkies. The IQ1110 is a low cost answer only unit. The IQ1120 is your regular dial/talk and receive model with pulse dialing and last number redial. Both handset/receivers deliver excellent voice quality even with their pop-up antennas hidden inside. Both include individual charging cradles that are styled to look like the base of a decorator telephone. Set them on a table or hang them on the wall. Both handsets let you screen your calls remotely when used in conjunction with any Phone-Mate call/screen answering machine such as the economical PM-900 pictured here.

You can use as many Roam Phones as you wish with a single transmitter. The security system protects your entire Roam Phone system from unauthorized use.

1 year parts, 90 days labor warranty

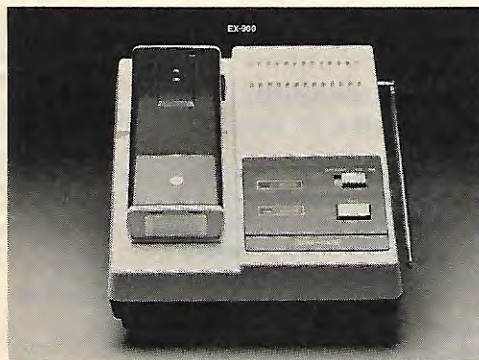


#128PM900 call/screen answering machine, List price: \$119.95 **OUR PRICE: \$99**

#128IQ1100 Roam Phone transceiver, List price: \$99.95 **OUR PRICE: \$89**

#128IQ1110 answer only Roam Phone, List price: \$74.95 **OUR PRICE: \$64**

#128IQ1120 deluxe Roam Phone, List price: \$129.95 **OUR PRICE: \$109**



### Extend-A-Phone

Every Extend-A-Phone offers the reliability of solid state circuitry, ni-cad batteries that automatically recharge when the handset is returned to the base, table-top or wall-mount installation, high impact super protective housing and a one year warranty.

#### EX-900

• Answer only • two-way audio paging • range of up to 700 feet under ideal conditions. Handset shown at right. List price: \$109.95.

#071900 **OUR PRICE: \$79**



#### EX-1100

• Similar in styling to EX-5000 • dial in handset • pulse dialing • last number redial • instant on • battery low light • auto secure • 50 foot range. List price: \$149.95; factory rebate program expires June 30, 1982.

#0711100 **OUR PRICE: \$112**



#### EX-3000

• Similar in styling to EX-5000 • dial in handset • pulse dialing • last number redial • audio paging from base to handset • range of up to 700 feet under ideal conditions • instant on auto secure • phase lock loop circuitry. List price: \$189.95.

#0713000 **OUR PRICE: \$142**

#### EX-4000

• Similar in styling to EX-5000 • speaker phone in base allows calls to be answered at the base when handset is in the field • two way audio paging • intercom • dial in handset • pulse dialing • instant on • auto secure • last number redial • phase lock loop circuitry • range up to 700 feet under ideal conditions. List price: \$229.95.

#0714000 **OUR PRICE: \$179**

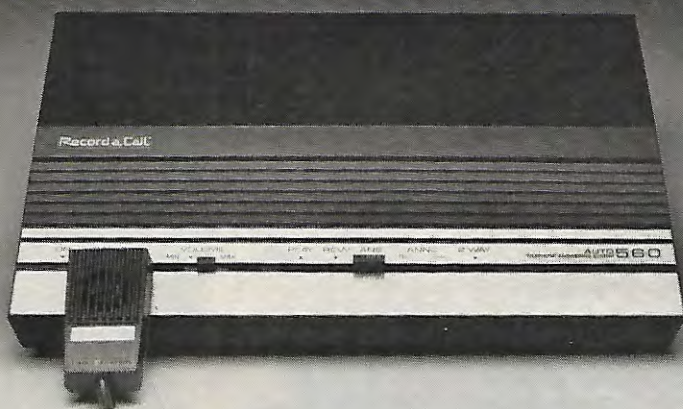
#### EX-5000

• Speakerphone in handset • dial in handset • last number redial • two-way paging • intercom • phase lock loop circuitry • auto secure • instant on • range of up to 700 feet under ideal conditions. List price: \$299.95.

#0715000 **OUR PRICE: \$229**



560



## Record-A-Call 560

### Incoming Messages

- Call Screening lets you hear who's calling. Gives you time to decide to answer immediately or let your machine take a message
- Set incoming message length at 20 or 40 seconds
- Announce only mode — Machine gives your greeting but accepts no incoming messages.

### Outgoing Messages

- 20 seconds outgoing message on endless loop cassette
- Comes with plug in microphone for superior sound quality

### Additional features

- Legally records two-way telephone conversations • dictation capability • rapid erase • ring adjustment

1 year parts, 90 days labor warranty; list price: \$179.00

#136560 **OUR PRICE: \$139**

## Panasonic KX-T1515

### Incoming Messages

- Call screening lets you hear who's calling. Gives you time to decide to answer immediately or let your machine take a message
- Unlimited VOX (voice activation) allows callers to leave detailed messages. Recorder shuts off only when callers stop speaking for seven seconds or when the tape runs out
- VOX with 4 minute maximum message length
- Announce only mode-machine gives your greeting but accepts no incoming messages

### Outgoing Messages

- Variable length outgoing message up to 30 seconds
- When the incoming message tape is full the beep sounds for 10 seconds after the outgoing message to inform the caller that a message cannot be recorded

### Remote Control

- Slimline remote control beeper (included) lets you retrieve your messages from any phone in the world
- Marker message

1 year warranty, list price: \$229.95

#133XT1515 **OUR PRICE: \$179**

## Panasonic KX-T1520

### Incoming Messages

- Call screening lets you hear who's calling. Gives you time to decide to answer immediately or let your machine take a message.
- Unlimited VOX (voice activation) allows a caller to leave detailed messages. Recorder shuts off only when callers stop speaking for seven seconds or when the tape runs out
- VOX with 4 minute maximum message length
- 30 second fixed length messages
- Announce only mode—machine gives your greeting but accepts no incoming messages

### Outgoing Messages

- 20 second outgoing message on endless loop cassette
- Automatic change to a second outgoing message when incoming message tape is full

### Remote Control

- Slimline remote control beeper (included) lets you retrieve your messages from anywhere in the world
- Cue and review messages from the remote location

### Additional Features

- Message sensor in skip or repeat (AMS) • dictation capability • Ring adjust • legally records two-way telephone conversation

1 year warranty, list price: \$309.95

#133XT1520 **OUR PRICE: \$219**

KX-T 1515



KX-T1520





# ONE PIECE ELECTRONIC TELEPHONES

## A GTE Solitare II

- pulse dialing • comes with wall hanger
- two tone almond and brown • 9½ foot cord
- 90 day warranty

#09172443 ..... \$32

## GTE Solitare I

- answer only • comes with wall hanger • two tone almond and brown • 9½ foot cord • 90 day warranty

#09171843 ..... \$18

## GTE Solitone

- tone dialing • comes with wall hanger • two tone almond and brown • 9½ foot cord • 90 day warranty

#09174243 ..... \$47

## B GTE Flip Phone II

- pulse dialing • last number redial
- ringer volume control • 14 foot fully modular cord • almond beige, brown, white
- 90 day warranty

#9189421 (beige) ..... \$49

#9189422 (brown) ..... \$49

#9189419 (white) ..... \$49

#9187H21 wall holster ..... \$8

## C ITT Ultra 80

- pulse dialing • last number redial
- ringer on/off • 14 foot fully modular cord • 1 year warranty • wall bracket fits standard wall outlet • available with free wall bracket while they last

#107PC1500 (almond) ..... \$49

#107PC1501 (brown) ..... \$49

#107H1500-1 bracket ..... \$9

## Ultra 80 Tel-Touch

- tone dialing • does not feature last number redial • two tone almond and brown

#107PC1507 ..... \$57

## D U.S. Tron DJ-11H

- melody on hold • 11 number memory dial • no external power required • pulse dialing • last number redial • 12 foot cord
- 90 day warranty • available in brown, beige, white

#210DJ11HC (brown) ..... \$69

#210DJ11HB (beige) ..... \$69

#210DJ11HW (white) ..... \$69

#210WH1 wall holder ..... \$7

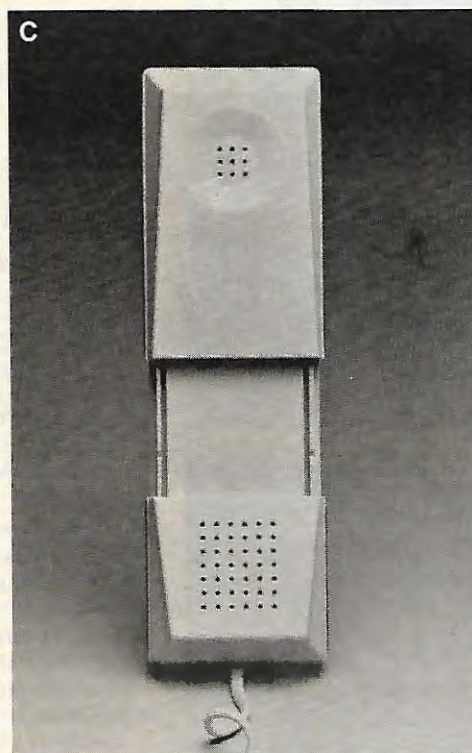
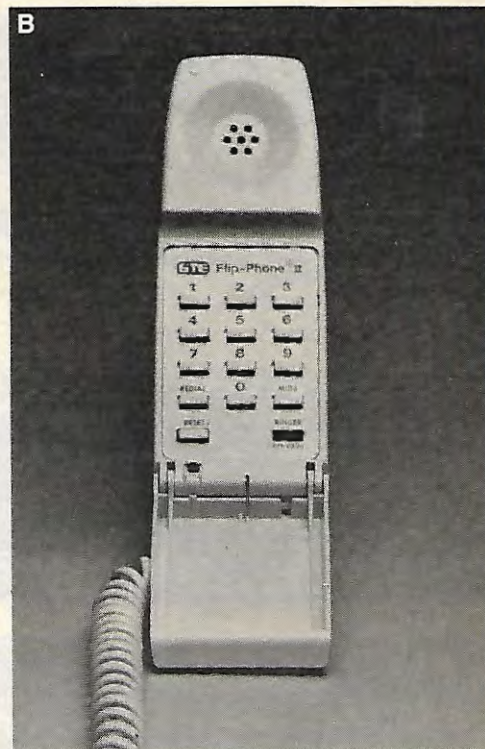
## U.S. Tron DJ-22H

- Same features as the DJ-11H except includes 22 number memory dialing • 90 day warranty
- available in brown, beige and white

#DJ22HC (brown) ..... \$79

#DJ22HB (beige) ..... \$79

#DJ22HW (white) ..... \$79



## U.S. Tron DJ-11H Duo

- same as the DJ-11H with switchable tone/pulse dialing • allows rotary line users to dial MCI and SPRINT numbers without paying for tone service.

#210DJ11DW (white) ..... \$88

## U.S. Tron DJ2H

- Two line system • conference call capability
- pulse dialing • melody on hold • last number redial • ringer on/off • 12 foot cord
- 90 day warranty

#210DJ2HW (white) ..... \$88



## DESK PHONES



### ITT PC-501

Basic desk model rotary dial with ringer and modular plug. List price: \$34.95. Colors: White (#PC501W), Beige (#PC501A), and Cocoa Brown (#PC501C). 1 year warranty.

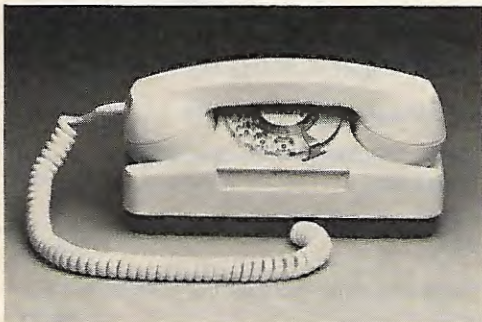
#107PC501W, #107PC501A, #107PC501C  
**OUR PRICE: \$29**



### ITT PC-2500

Basic desk model pushbutton. True tone dialing convenience, with modular plug and ringer. List price: \$64.95. Colors: White (#PC250W), Beige (#PC250A), and Cocoa brown (#PC250C). 1 year warranty.

#107PC250W, #107PC250A, #107PC250C  
**OUR PRICE: \$49**



### GTE Starlite

This uniquely styled space saving desk phone is available in rotary dial, pushbutton pulse, and pushbutton tone versions. 90 day warranty. Available in white only.

#09182119 Starlite rotary dial **OUR PRICE: \$42**  
#09182419 Starlite pulse dial **OUR PRICE: \$56**  
#09182219 Starlite tone dial **OUR PRICE: \$74**

## WALL PHONES



### ITT PC-254

Trendline rotary dialing. Wall version of the popular dial-in-handset. Features line access button and mounts directly on modular wall plate jack. List price: \$59.95. Colors: White (#PC254W) and Cocoa brown (#PC254C). 1 year warranty.

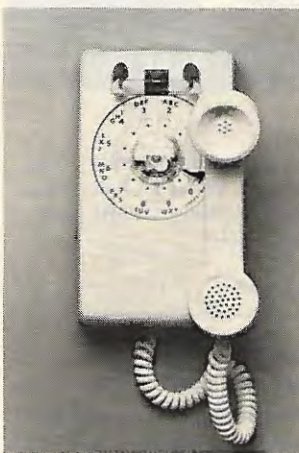
#107PC254W, #107PC254C **OUR PRICE: \$49**



### ITT PC-2254

Trendline tone dialing. Wall version of dial-in-handset with pushbutton dialing. Features line access button and mounts directly on modular wall plate jack. List price: \$99.95. Colors: White (#PC225W) and Cocoa brown (#PC225C). 1 year warranty.

#107PC225W, #107PC225C **OUR PRICE: \$65**



### ITT PC-554

Basic wall phone rotary dial. Basic, standard size wall phone, fits directly over modular wall plate jack. List price: \$44.95. Colors: White (#PC554W) and Cocoa Brown (#PC554C). 1 year warranty.

#107PC554W, #107PC554C  
**OUR PRICE: \$37**



### ITT PC-3554

Basic wall phone tone dialing. Standard size wall phone with 2-gong ringer. Fits over modular wall plate. List price: \$79.95. Colors: White (#PC355W) and Cocoa Brown (#PC355C). 1 year warranty.

#107PC355W, #107PC355C  
**OUR PRICE: \$57**



### ITT PC-2554

Miniature wall phone tone dialing. Space saving size in a pushbutton wall phone. Fits over modular wall plate. List price: \$89.95. Colors: White (#PC255W) and Cocoa Brown (#PC255C). 1 year warranty.

#107PC255W, #107PC255C  
**OUR PRICE: \$57**



## TRENDLINE PHONES



### ITT PC-200

Dial-in-handset rotary dialing and line access button for extra calls without touching hook switch, with modular plug and ringer. List price: \$59.95. Colors: White (#PC200W), Beige (#PC200A), and Cocoa Brown (#PC200C). 1 year warranty.

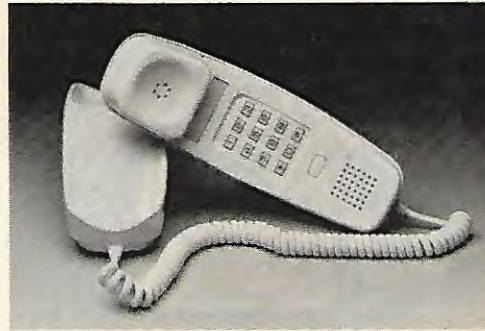
#107PC200W, #107PC200A, #107PC200C  
**OUR PRICE: \$45**



### ITT PC-2200

Dial-in-handset tone dialing. The dial is in the handset. Pushbutton action for faster calling, line access, and modular plug and ringer. List price: \$79.95. Colors: White (#PC220W), Beige (#PC220A), and Cocoa Brown (#PC220C). 1 year warranty.

#107PC220W, #107PC220A, #107PC220C  
**OUR PRICE: \$65**



### ITT PC-230

Dial-in-handset Tel-Pulse dialing. Same as PC-2200 with Tel-Pulse dialing — pushbutton system that operates on rotary or touch systems. Also features Redial Button. List price: \$69.95. Colors: White (#PC230W) and Cocoa Brown (#C230C). 1 year warranty.

#107PC230W, #107PC230C  
**OUR PRICE: \$57**

## DECORATOR TELEPHONES



### GTE American Classic

Bring back the good old days with the American Classic Telephone. Family and friends will enjoy today's conversation on yesterday's phone.

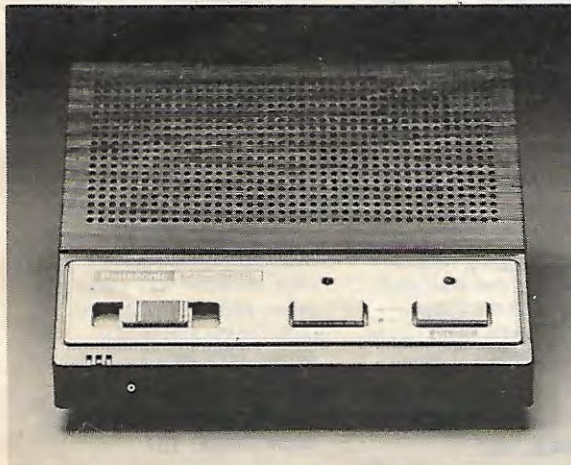
#09164100 **OUR PRICE: \$74**



### ITT French Phone

This phone provides French styling in a full sized phone at an economical price. It has an Ivory base, mouthpiece and earpiece. Gold tone accents highlights its dial, base and handset.

#107PC707 **OUR PRICE: \$57**



### Panasonic Speaker Phone

Now the whole family can take part in telephone conversations with the Panasonic KX-T1020 speakerphone. The built-in condenser microphone picks up sound from all directions. Its automatic switching circuit provides clean transmission of incoming/outgoing voices with no "barrel" effect. The mute button lets you cut off outgoing transmissions while still receiving incoming ones. The KX-T1020 can be wall mounted. List price: \$74.95.

#133XT1020 **OUR PRICE: \$57**

## ACCESSORIES

### ANSWER CASSETTES

#198OC-20L 20 second endless message cassette . . . \$7  
#198IC-30R 30 minute leaderless cassette . . . \$4  
#198IC-60R 60 minute leaderless cassette . . . \$6

### ADAPTERS

Four prong to modular adapter.

#198TEL101 . . \$3.00

Modular Y Connector

#198TEL103 . . \$4.00

25 foot extension cords. The 106 is male to male; the 114 is male to double female.

#198TEL106 . . \$5.00

#198TEL114 . . \$6.00

Modular coupler #198TEL113 . . . \$3.50

Modular wall plate #198TEL115 . . . \$4.00

Five line amphenol to modular adapter  
#198TEL105 . . . \$24.00

Modular receptacle  
#198TEL104 . . . \$4.00

Twelve foot fully modular curly handset cords  
#091967 almond . . . \$9.00  
#091973 beige . . . \$9.00  
#091985 brown . . . \$9.00

### Silencer Cord

The Silencer Cord makes it possible for you to switch off the ringer to an extension phone. It comes in two lengths: seven feet (#242ZOOM1) and twenty-five feet (#242ZOOM2).

#242ZOOM1 **OUR PRICE: \$7.00**

#242ZOOM2 **OUR PRICE: \$9.00**





## COMPUTERS FOR PEOPLE

A few years ago we at Crutchfield became very interested in the revolutionary advances being made in the computer industry. With the introduction of microcomputers it became practical for people to have their own computers at home or in the office. As the cost of electronic components fell dramatically, true personal computers became a reality.

We looked very carefully at all of the products available and came to the conclusion that the Atari line of personal computers best meets the needs of our customers: people interested in personal financial management, education, entertainment, and programming for the computer hobbyist.

What is a computer? Actually a computer is simply a tool or a utensil. It only performs the functions it is instructed to perform. A related set of instructions is called a program. Being merely a tool, the computer is, by itself, an inanimate, helpless mass of transistors and wires. Alone, a computer serves no more significant purpose than a hammer or a screwdriver sitting in a tool box. But, as with

any tool, when put to its full use, the computer can be a fantastic device indeed.

What makes computers so useful is their uncanny ability to perform specified tasks at unbelievable rates of speed with absolute accuracy. For example, the world's most powerful computers can execute 800 million instructions *in one second*. And, more importantly, every instruction will be performed *exactly* as specified.

Computers, therefore, play such a dominant role in business, science, and industry because in a very short period of time they can perform billions of calculations, which would otherwise require an army of pencil-pushers, and perform them flawlessly.

The second very important advantage computers offer is their ability to remember. Computers have perfect memories for both the instructions you provide and the results they derive. And they have the capacity to store information in a very small place: all the words in this catalog could be stored electronically in a 2 square inch location in a computer using

the latest technology. And, if you wish, every letter in every word could be changed in less than one second.

A computer, then, is a tool in the same sense a pencil is a tool. By itself a pencil is quite useless. But when put to use and controlled by a person it can be the means of performing a complex mathematical calculation or writing a great literary work. The key is always the person using the tool. With the computer, the only limits on its performance are the limits of our imagination.

The Atari computers Crutchfield offers are extremely versatile machines. The Atari 400 and 800 models can be put to work immediately in the home and office, regardless of your familiarity with computers. Generally speaking, there are three categories of personal computer use: finance and business, education and entertainment, and programming.

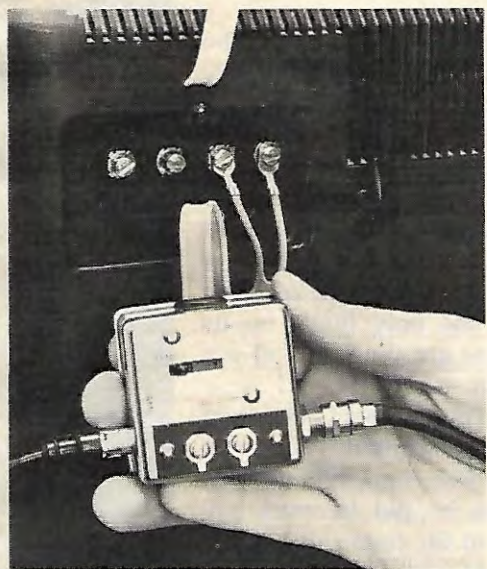
The following few pages will concentrate on the useful features of the Atari 400 and 800 computers as they relate to each of these categories.



## BUSINESS AND PERSONAL FINANCE

One of the earliest applications of computers was in the area of business record keeping. Because of their speed and accuracy, computers are very well suited to accounting and bookkeeping. But their usefulness does not end there. Computers in business can keep track of vast amounts of information, providing immediate access to individual records for use in projecting growth, cash flow and income analysis, budgeting, economic forecasting, etc. Perhaps their greatest appeal is their ability to give the business professional an idea of what to expect in the future. Not by magic but by having immediate recall of all factors of past performance.

High-level business and finance software packages have been developed for Atari by Control Data Corporation, developers of the world's most powerful computers. In addition, many other software firms now offer business software for Atari computers including everything from full-scale accounting packages to word processors.

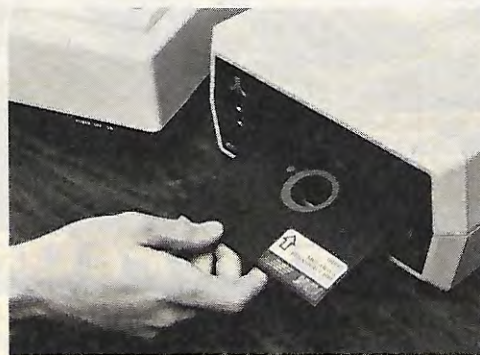


The Atari built-in RF modulator allows connection to any television via the TV Switch Box provided.

The Atari 800 Personal Computer is an excellent machine for small business applications. The keyboard has the feel and features of a standard electric typewriter plus much more. Connection is made to any TV by means of the built-in RF-modulator (an extra-cost accessory on other computers). Full screen editing allows the user to make

changes and corrections directly, without retyping entire lines. The Atari 800 is easier to expand than any computer on the market; expandability has been designed into the 800. The computer's internal programmable memory capability can be expanded to 48 K — roughly equivalent to 15 full typewritten pages of information. This means that the 800 will handle just about any program you can find.

Peripheral devices of interest to the business-oriented person include the Atari 810 Disk Drive, the 825 Printer and 830 Acoustic Modem. The Disk Drives use 5.25 inch "floppy disks" as their storage medium. Approximately the size of a 45 rpm record, each 810 disk can hold the equivalent of about 30 full typewritten pages of information.

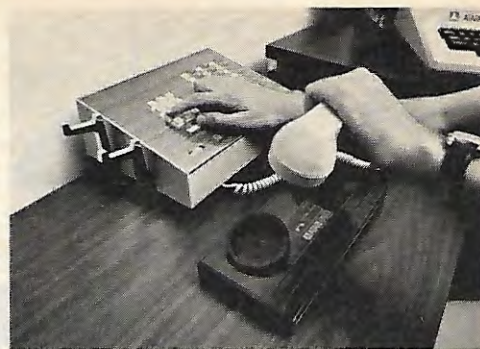


Atari's 5.25" floppy disks record 30 typewritten pages or more and can locate and return information at lightning speeds.

These "floppy disks" (so named because the information is stored on a flexible mylar sheet) are inexpensive, reusable, and store easily. But their greatest advantage is the speed at which information can be retrieved. For example, the computer could "read" this entire catalog from a disk in well under one minute.

The Atari 810 Disk Drive is a random access device, meaning that when particular data is to be retrieved, the Disk Drive locates it instantly without having to read any prior records. Like all Atari peripherals, the 810 is an "intelligent" device, having its own microprocessor in communication with the computer. The computer automatically turns each device on only when necessary, saving motor wear, energy, and your time.

The Atari 825 80-column Printer is an excellent dot-matrix impact printer. Perfect for producing reports with our Compumax Accounting System or documents with the Atari Word Processor, the 825 features upper and lower case letters, four character modes, and right-margin justification for the appearance of typeset printing. Printing at speeds up to 60 lines a minute, the nicest feature of the 825 is that it can print on your business stationery, fanfold paper, preprinted continuous forms or roll paper.



With the Atari 830 Acoustic Modem you can link your system to huge data base computers.

One of the most exciting new capabilities of the Atari computers is the accessing of data bases such as CompuServe, The Source, and Dow Jones. Data bases are computerized libraries full of information on nearly every subject imaginable. Information you desire is retrieved from the huge computer systems' archives via telephone lines: simply insert the Telelink I cartridge in the ROM slot, dial the telephone number of the data base, place the receiver in the Atari 830 Acoustic Modem and log onto the system. Each subscriber has his own account number and password; billing is automatic through Master Card or Visa at approximately five dollars per hour, billed by the minute.

Some of the features offered by the three major Data Bases include:

### CompuServe:

- Associated Press, N.Y. Times, Washington Post, and regional news services.
- Microquote stock market quotes (dividend information on over 32,000 stocks from January 1968 forward). Updated continuously.
- Commodity market information.
- Electronic mail sent instantly to any subscribers.
- Individual access to the large computers for personal use.

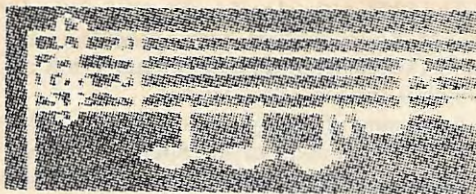
### The Source:

- UPI international, national and regional news.
- Stock quotes from all major exchanges, including over-the-counter.
- Mutual funds, bonds, and U.S. Treasury issue quotes and data.
- Airline flight schedules and reservations, and hotel reservations.
- Restaurant and movie reviews.
- National listing of employment opportunities and resumes.

### Dow Jones:

- Wall Street Journal news Barron's and Dow Jones News Services.
- Stock quotes and statistics on financial performance of companies and industries.
- Information on government, the economy, industry, and international affairs.





## EDUCATION

For many years educators have been aware of the potential computers have as tools for learning. With well-designed programs, computers make excellent teachers because they require the attention and response of each student user — like having a personal tutor whenever you want. Using interactive programs the computer asks questions and requires the correct answer before proceeding; computers are very patient but persistent instructors.

One of the best recommendations for computers in education is watching a child using an educational or game program. Children automatically take to these machines because they are fun to use. But, more importantly, they cannot help learning while "playing."

A computer used in education is only as good as the software which supports it. The Atari 400 and 800 computers are supported by a wide and constantly expanding array of educational programs. These machines have been designed with the student in mind. Using any of the available educational programs and the model 410 Program Recorder, the user can directly interact with the computer through the keyboard, television screen, and the speaker. In fact, it is this sound capability that really sets the Atari computers apart from the competition. The 410 cassette player has a sound track available, making possible the home study of foreign languages. German, French, Italian, and Spanish are currently available. Also, the Atari computers have four built-in sound synthesizers, allowing the study and composition of music with the Music Composer program.

Both the Atari 400 and 800 personal computers will perform exceptionally in education. The model 800 features a full typewriter-like keyboard, with upper and lower case letters, full screen editing cursor control, and graphics keys. The internal memory can be expanded to 48K RAM (enough storage to hold the equivalent of about 15 typewritten pages of information at any time). And the 800 can support the entire line of Atari peripheral devices: printers, disk drives, the cassette recorder, and the Acoustic Modem for telephone hook-up with other computer systems. The Atari 400 has almost all of the features of the 800 at an incredible price. The only limits on the 400 are a single ROM cartridge slot for plugging in programs and the way the system's memory can be expanded. Since there is only one memory board slot, the system is

limited by the capacity of that board. 32K and 48K memory boards are available for the 400 and are user installable. The keyboard on the model 400 has all of the same features as the 800, but is a touch-sensitive, hostile environment design (indestructible by children).



*Simply insert one of Atari's ROM cartridges in the top of the computer and you're ready to go.*

Using the Atari 400 and 800 personal computers is very straightforward and easily learned. Connection is made to any TV using the built-in RF-modulator (a device which allows the computer to write text to the TV screen on channel 2 or 3). A ROM (Read Only Memory) cartridge is inserted in its slot by opening the door on top of the computer. The 410 Program Recorder can be plugged directly into the I/O connection on the side of the computer. Load a cassette, turn on the computer and you are ready to go — it really is just that easy.

You can get an idea of the wide range of educational materials available by looking through the product description section which follows.



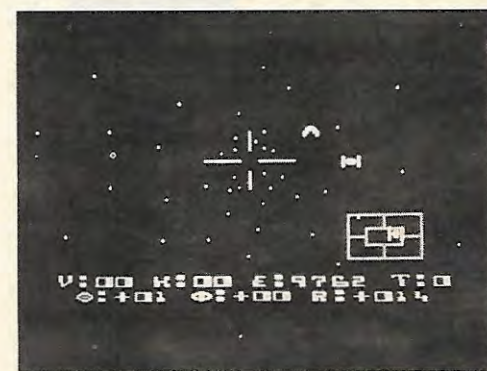
## ENTERTAINMENT

Another area where computers excel is in entertainment. The video games which became so popular several years ago were made possible by the development of simple microcomputers. In fact, Atari has been and remains the leader in the development of this technology. But, with the advent of personal computers, the electronic entertainment world has undergone another revolution. Because true computers are more intelligent than any simple video game, their ability to play games is vastly superior. And among the personal computers available, Atari is by far the best. The 400 and 800

models offer the best graphics capability of all home computers, generating 128 colors with very high resolution.

Along with the superior graphics, the Atari computers are unique in their realistic sound capabilities. With four built-in sound synthesizers, the 400 and 800 computers are able to create just about any sound: laser blasts, meteor collisions, hyperwarp engines, photon gun explosions, an on and on.

Atari offers the most realistic and most complex games for its model 400 and 800 computers. These games are not only better and more fun than what's available for other home computers, but these versions are even better than the incredibly popular Atari video games. For example, even though you can buy Space Invaders for the video game machine, the computer version is vastly superior: 12 different levels of difficulty, more invaders, with trickier moves, and a surprise ending if you manage to win.



*Imagine this screen in full color, in constant exciting action and still you won't believe Atari Star Raiders until you've played.*

But it takes a game like Star Raiders to really show off the computer's gamesmanship. You fly through a galaxy trying to protect your star bases from destruction by the Zylons. Your star cruiser has on board attack and tracking computers, shields, long-range sector scan, hyperwarp engines, etc. But you must watch your energy consumption; save enough to get back to a star base for refueling and repairs. With four levels of play and an infinite range of variations, Star Raiders is a game you will never tire of.

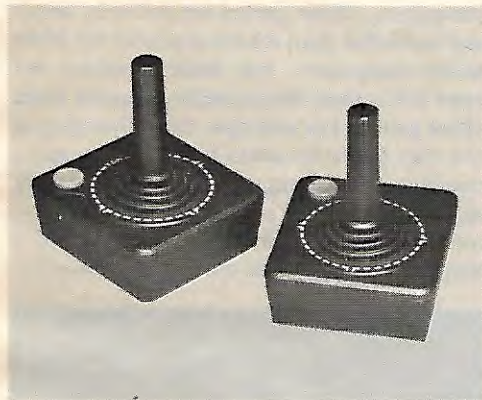
Many of the games available come in ROM cartridges which simply plug into the slots on the computer. Open the door, slip in the cartridge and turn on the machine. You are instantly ready to play.

Other games come as programs on cassette tape. Using the Atari 410 Program Recorder, the game program is loaded into the computer's RAM (Random Access Memory). Once loaded the game can be played over and over, until you turn off the computer.

The newest games we offer open up new horizons in entertainment. We now have a whole array of adventure games which re-



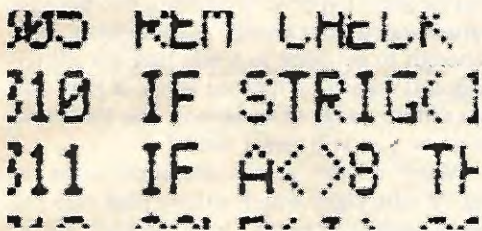
quire thought and strategy as well as luck. Many of the games from Crystal, for example, come on disks allowing you to play with very large programs and even reach a certain point in the game, save it on the disk, and at a later time resume play right where you left off. Using a disk system is the only practical way to store very large games like these new adventures. The advantage is that you can play in dozens of different graphics screens in a single game. And you do not have to start over from the very beginning each time you want to play.



With joysticks you have 8 directional movement for your space ship, basketball player, tank or pawn.

The Atari Joystick Controllers are used with most games, giving the player the ability to move in eight directions and fire photon blasts at will.

Perhaps the nicest feature of the Atari personal computers as entertainment machines is that they can do so much more than just play games. The 400 and 800 models are true computers and are capable of performing just about any task computers are known for. For not much more than the cost of a machine that just plays games, you can have a real computer that everyone can use to perform all sorts of jobs around your home or office.



## PROGRAMMING

The area in which the Atari 400 and 800 best display their talents is in programming for personal computing. After all, these machines are first and foremost computers. And while they are unsurpassed as educational and business tools, it is their programmability which makes them so useful. The user can instruct the computer to perform a particular task, and with the precise informa-

tion the machine will follow the instructions *exactly* and output the results in seconds.

The model 400 and 800 computers are identical internally. The differences are the 400's pressure sensitive, sealed keyboard and the requirements for expanding its memory. The 400 comes with a single 16K RAM circuit card which may be replaced with a 32K or 48K board to expand the system's capacity.

The Atari 800 is a top-of-the-line personal computer. Though it has been on the market less than four years, the 800 has made more impact in such a short time than any other computer. The reason is simple: the Atari 800 is the most intelligently designed personal computer you can buy. The 800 has the greatest potential for expansion, built-in features which cost extra on other machines, the simplest system for adding peripherals, and an ever expanding body of software support from both the manufacturer and countless secondary sources. Let's take a quick tour of the Atari 800 system to prove the claims made about its computing power.

Beginning with the keyboard, the Atari 800 has 57 full stroke alpha-numeric keys and four function keys. Included are complete upper and lower cases, inverse video, and 29 graphics keys. The user has complete control of the cursor position for full screen editing. If you need to make a correction, simply position the cursor and type the change — no more retyping of entire lines to correct one spelling error. You can insert or delete individual characters or entire lines with one key.

The heart of the Atari computers is a 6502 microprocessor with a machine cycle time of 0.56 microseconds. Each machine is completely RF shielded, to prevent interference with your own or even your neighbor's television. There is a built-in RF-modulator for immediate connection to any TV; this is an extra cost accessory on virtually all other brands. There is also a monitor jack for use with the best high resolution video monitors, if desired.



The internal memory of the Atari 800 can be expanded with modules easily inserted under the top cover.

The 800's internal memory can be expanded 48K RAM (Random Access Memory) and up to 26K ROM (Read Only Memory) 10K of which is the Operating System.

Expansion of the system's memory could not have been made easier. Simply open the top cover of the 800 and insert a memory module (a printed circuit board sealed in a protective case). Unlike other machines, you can easily expand other features of the 800. The complete Operating System can be changed, if necessary, by swapping ROM modules. This will give you the ability to update your system or allow access to new types of software as they become available in the future.

One of the nicest features is the simplicity of changing computing languages. Each language interpreter is stored in a ROM cartridge which plugs into one of the cartridge slots. To change languages, just open the door and insert a different cartridge. No one but Atari offers a feature like this.



Programming is easy and easy to learn with the unique Atari language interpreter cartridges.

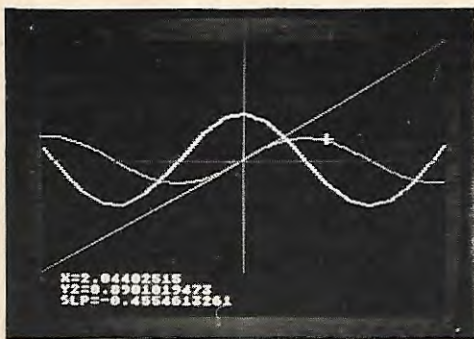
Because the Atari computers were designed with expandability in mind, these machines will never become obsolete. There is no practical limit on increasing the power of the 800.

The graphics of the Atari computers are recognized as the best among the personal computers. Atari is unique in actually using a second microprocessor for handling graphics, generating a total of 128 colors (16 choices each at 8 intensity levels). There are three text modes, with up to 24 lines of 40 characters each. Five colors may be displayed at one time from BASIC; and the highest resolution mode provides a matrix of 320 columns by 192 rows for plotting points in color.

In addition to great pictures, the user can also make sounds. Four built-in synthesizers, each with a four octave range give almost any sound.

Peripheral devices are easily added to the system in a daisy chain series. Because each Atari peripheral is "intelligent" (having its





No other personal computer system can match Atari graphics capability.

own microprocessor], each additional device may simply be added to the chain. Other computers require the additional purchase of an interface card for *each* peripheral to be added. By designing each device to be intelligent, the Atari computer is in control of addressing and actually turning on and off each device.



Add peripherals to your Atari computer with simple daisy-chain connections.

Using the Telelink cartridge, the 830 Acoustic Modem, and the 850 Interface Module, the Atari computers become remote terminals for accessing Data Bases, such as Compuserve, The Source, and Dow Jones. With Compuserve on line the user has up to 128K of free storage and use of Fortran, Pascal, SNOBOL, X-BASIC, and several other language compilers. From the privacy of your living room you can do very high level programming for only five dollars an hour.

When you compare the features, price, and performance of the Atari Personal Computers with their competition, we believe you will come to the same conclusion as Crutchfield: Atari computers are the best value on the market. All the computing power at a price you can afford.

### Congratulations Dan!

We just thought everyone should know this article was chosen by Atari's parent corporation to be included in their annual prospectus. Needless to say, we're pretty proud of him!

Atari Personal Computers represent the best way to break into the new world of home computers. The 400 and 800 models represent the best values of all currently available machines. Perhaps the best way to compare the various computers on the market is on a features-per-dollar basis. For the consumer making a decision between competing products, the bottom line is what you get for your money.

All of the features important to personal computing have been incorporated in the Atari systems, plus much more. Atari innovations like sealed user-installable memory modules, programming languages in ROM cartridges, direct connection to any television, and a chaining method for peripheral connection illustrate this point.

After looking at all of the popular home computers on the market, it was obvious to us that Atari has the best design. The 400 and 800 are the easiest systems to use. And when you consider the potential for expansion that has been designed into the Atari 800, you can see

that this is a system that will never be made obsolete.

But even with all of these features, the Atari people in Sunnyvale, California have managed to keep very competitive prices. And, of course, Crutchfield prices are exceptional.

Unlike other direct marketing firms, Crutchfield offers its complete network of services to customers: a friendly, well informed sales staff, customer service department, factory trained service technicians and toll free technical advice from Dan Hodgson.

Dan is our computer expert with an extensive programming background in BASIC, COBOL, FORTRAN, and assembly languages. He will be able to answer just about any questions you may have about our computers. And Dan will still be there to help you *after* your purchase. Crutchfield never leaves customers out in the cold.

If you have any questions about our Atari Personal Computers, please call us at 800-446-1640 (in Virginia call 800-552-3961) toll free.

*Now that you know how excited we are about the Atari Personal Computers, here is what some other people think:*

"...the Atari 800 is a top-notch computer that far surpasses its immediate competition."

— *Popular Electronics*

"The Atari 800 is a fully supported computer system. And a very fine system at that."

— *onComputing*

"...the Atari 800 will become a standard in home computing."

— *Consumer Guide*

"Software supplied by Atari is generally excellent, especially in the area of educational software."

— *Popular Electronics*

"Atari graphics and sound stand in a class by themselves."

— *Compute Magazine*

"...Atari's documentation makes it the first personal computer I've used that I could unreservedly recommend to someone who knows nothing about computers."

— Ken Skier, *onComputing*

"Atari is providing features which make the computer a truly versatile and flexible tool which can easily be used by a non-technical person."

— *Interface Age*



# BUYING A PERSONAL COMPUTER

When purchasing a personal computer several decisions must be made. Careful consideration must be given to the brand of computer, the model which best meets your needs, and the dealer which offers the best value and service.

# 1

## CHOOSE THE BRAND

Our Atari Personal Computers are the most complete, easiest to use systems on the market. They have been designed with the user in mind. Within minutes of opening the box, your Atari computer is up and running. And Atari allows you to expand your system by simply plugging in the peripheral device you need, or inserting memory modules. It's that easy.

# 2

## CHOOSE THE MODEL

With their 400 and 800 models, Atari meets the needs of all users of personal computers. Both machines are very versatile. The 400 represents the best way to break into personal computing, whether your interest is education, games, or programming.

For more diverse applications such as business and finance, high level programming, word processing, and telecommunications, the Atari 800 is the best value on the market. Priced hundreds of dollars less than its competition, the 800 can handle practically any computing task. It's fast, accurate, and easy to use.

# 3

## CHOOSE THE DEALER

Since products are available from a variety of dealers, your selection of a dealer depends on what each offers you, the customer. Crutchfield is a well-established firm, providing an entire network of customer services. Friendly, well-informed sales people will take your order. It will be processed quickly through our computerized order system, and shipped to you promptly.

Technical support is available to you at any time, before or after your purchase. Whether you need help with a complex program or simply an answer to a nagging question, Dan Hodgson is willing and able to help you. Very few dealers provide full time customer support like this.

Of course, Crutchfield is an authorized Atari Service Center. Our head technician Bill Harakidas has attended the Atari factory service school and knows these machines inside and out. If you ever

	ATARI 800	ATARI 400	APPLE II +	TRS-80 III Level 1	TRS-80 Color Comp.
User installable Programming Language Cartridges	YES	YES	NO	NO	NO
User installable Static Protected Memory Modules	YES	YES	NO	NO	NO
Full Color Graphics capability	YES	YES	YES	NO	YES
Number of colors available	128	128	16	0	8
Full control over colors displayed (Hue and Luminance)	YES	YES	NO	NO	NO
Built-in RF-Modulator for connection to any TV	YES	YES	NO	N/A	YES
Unlimited expansion via Daisy Chain (each peripheral connects to previous device in chain)	YES	YES	NO	NO	NO
Entertainment/education programs in ROM cartridges	YES	YES	NO	NO	YES
Upper and lower case screen display	YES	YES	EXTRA	EXTRA	NO
Screen protected from image burn-in	YES	YES	NO	NO	NO
RAM included in base cost	16K	16K	16K	4K	4K
User installable Disc Drive unit	YES	YES	YES	NO	NO
Number of built-in Sound Synthesizers	4	4	3	0	1
Hardware compatibility with VisiCalc, Accountant, Word Processor	YES	NO	YES	YES	NO



*Dan, our resident expert, will gladly answer any questions about our Atari computers.*



*Bill is a factory trained computer technician and thoroughly knows our Atari computers.*

should need service help, Crutchfield is always here.

Finally, as with all of the products we sell, we at Crutchfield let our famous

prices speak for themselves.

In summary, we are certain that Atari and Crutchfield offer a value that cannot be beaten.



## ATARI PERSONAL COMPUTERS

### Atari 800

We've looked at a lot of personal computers and have honestly concluded that the Atari 800 represents the finest value on the market. It is so easy to hook up and use that most children can do it. Yet it is so powerful and versatile that the 800 can work for many small businesses.

The Atari 800 is the heart of the many systems we carry here at Crutchfield. Its careful engineering is illustrated by the utilization of daisy chain expansion. Peripheral expansion is simplified as no interface cards are required nor does the machine have to be opened. Just plug the first peripheral into the external socket on the 800; each additional peripheral is then plugged into the previous peripheral.

The Atari 800 features a full 57 stroke keyboard which has virtually the same feel as an electric typewriter. The computer's FCC approved TV modulator allows you to use your conventional TV set as a video monitor. When used with a color TV, the Atari 800 produces a high resolution image in up to 16 different colors each at 8 intensity levels. Atari even devised a unique system that will change the colors of the display if the same image is left on the screen for several minutes. This protects your TV screen from image burn in. Also, the computer has four independent sound synthesizers (in addition to audio through the TV) for creating musical tones and game sounds.

The Atari 800 comes with 16K of RAM and can be easily increased to 48K by plugging in additional RAM modules. Also, the Atari 800 comes with a 10K ROM cartridge which contains the computer's operating system. The Atari 800 comes complete and ready to use. Included are a BASIC language cartridge, 121 page basic reference manual, 332 page BASIC self-teaching guide, a thorough operators manual, TV switch box and a power supply.

List price for the Atari 800 personal computer is \$899.00.



#007ATR800 **OUR PRICE: \$749**

### Atari 400

The Atari 400 is an incredible buy in a personal computer because it is basically the same machine as the 800 with the exception of two features. Instead of a typewriter-like, full stroke keyboard, the 400 has a touch sensitive keyboard panel. If you are an experienced typist, this type of keyboard is very hard to become accustomed to since there is no actual key motion. If you are not a typist, then this keyboard is excellent. The only difference between the two Atari computers is expandability. The 400 comes with 16K of Random Access Memory. And, only a single ROM cartridge slot is provided.

The Atari 400 comes complete and ready to use. Included are an operator's manual, TV switch box, and power supply. The BASIC computing language cartridge is not included with the 400. In order to program the system, you must order the Programmer Package #CX483 listed on page 101. List price for the Atari 400 is \$399.95.

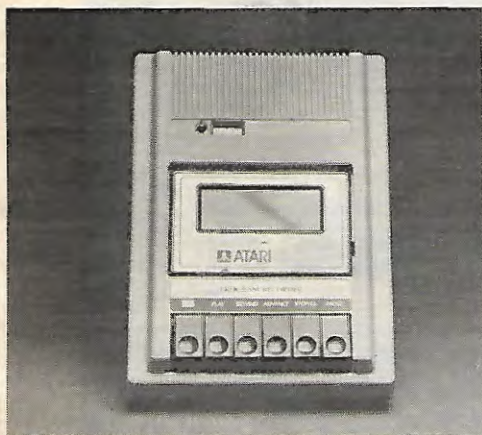


#007A400B **OUR PRICE: \$359**

"Only the best can offer quality and low prices and still supply outstanding service." — D.Z., Humboldt, IA



## PROGRAM RECORDERS

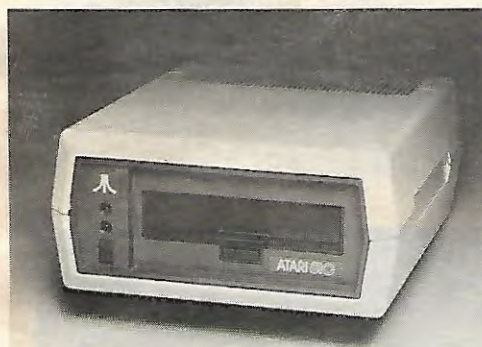


### Atari 410 Program Recorder

The Atari 410 Program Recorder is the most cost efficient means of mass data storage and retrieval. Using a standard audio cassette, 100K of data may be stored on a 60 minute tape. And unlike other cassette devices, the 410 is under complete control of the computer: simply position the tape and enter a command. The computer starts the tape, loads the program, and stops the tape when finished. Unique to the Atari 400 is the availability of an audio track to play back pre-recorded programs with sound, e.g. Educational System.

The Atari 410 Program Recorder plugs directly into the 400 or 800 computer and comes ready to use with full operating instructions. List price: \$99.95

#007ATR410 **OUR PRICE: \$84**

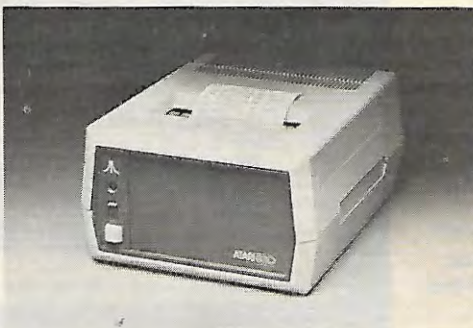


### Atari 810 Disk Drive

The Atari 810 Disk Drive provides fast and efficient data storage and retrieval on 5 1/4 inch floppy diskettes. Each drive comes with its own Master Diskette requiring a minimum of 16K of RAM. Up to four disk drives can be connected to the 800. Features include: "Disk busy" indicator light, built-in 6507 microprocessor and on-board ROM giving automatic stand-by capability, average access time of 74 milliseconds, maximum data transfer rate of 19.2K bits per second, 88,375 bytes per diskette available for program and data storage, includes I/O connector, 810 Master Diskette II, a formatted diskette, Owner's Guide, and manual. List price: \$599.95.

#007ATR810 **OUR PRICE: \$499**

## PRINTERS

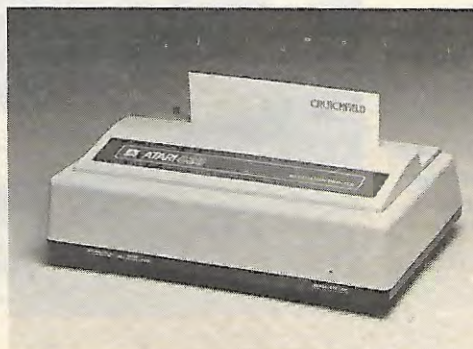


### Atari 820 40 Column Printer

The Atari 820 Printer generates a hard copy printout of computer data and program material for either the Atari 400 or 800 computer. It is a 40 column, dot matrix impact printer which prints upper and lower case characters at a rate of 40 per second. The 820 uses inexpensive 3 1/2" roll paper and simply plugs into either Atari computer.

The Atari 820 Printer comes ready to use with paper, ribbon, an interconnecting cable, and full operating instructions. List price: \$299.95.

#007ATR820 **OUR PRICE: \$289**

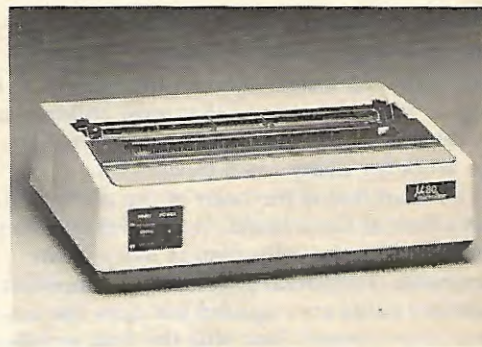


### Atari 825 80 Column Printer

The Atari 825 Printer is a versatile dot matrix impact printer that can handle almost any printing task. It can print lines up to 8 inches long in four different character modes: monospaced (uniformly spaced) characters at a density of 10 characters per inch, condensed characters at 16.7 characters per inch, proportionally spaced characters, and double-width characters. The 825 can be set to justify the right margin, execute forward or reverse line feeds, half space, and underline. All character modes and functions are set by control codes from the computer. In addition, this printer can handle three kinds of paper: roll paper, computer-grade fanfold (including three-part forms), and single sheets.

The Atari 825 80 Column Printer requires the use of the Atari 850 Interface Module and comes ready to use with an interconnecting cable and full operating instructions. List price: \$799.95.

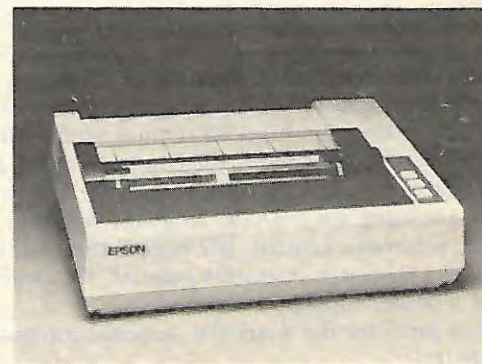
#007ATR825 **OUR PRICE: \$669**



### Microline 80 80 Column Printer

At last an inexpensive full-size printer. The Microline 80 prints at speeds up to 80 characters per second, 60 lines per minute. And it will accept single sheets, roll paper, or pin-fed computer paper. Printing features include upper and lower cases, condensed and double-width characters, and block graphics for charts, graphs and diagrams. Requires the data cable listed below for connection to Atari 850 Interface Module. List price: \$449.00.

#144MIC80 **OUR PRICE: \$424**



### Epson MX-80 Printer

The MX-80 is the most popular printer in the world. And for good reasons: bi-directional printing at 80 characters per second, condensed print mode, double width print mode, double-strike printing for emphasis. All of these features in one very attractive package. Plus, the MX-80 printers which we carry feature GRAFTRAX 80, the highest resolution dot matrix graphics in the world — up to 120 dots per inch horizontally and 216 dots per inch vertically. GRAFTRAX 80 even allows the MX-80 to print an italic character set, giving a total of 24 font types.

The MX-80 accepts pin-feed paper only, and is fully supported by the Text Wizard word processor. Requires the data cable listed below for connection to the Atari 850 Interface Module.

#109MX80G **OUR PRICE: \$579**

### MPC Data Cable

Connects the Microline and Epson printers to the 850 Interface Module for use with Atari Computers. List price: \$39.50.

#144MPCCAB **OUR PRICE: \$34**



## PERIPHERAL HARDWARE

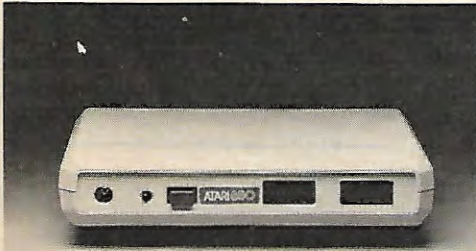


### Atari 830 Acoustic Modem

The Atari 830 Modem enables the user of an Atari computer to set up telecommunications over standard telephone lines. It can send and receive at up to 300 baud and is fully compatible with the three major data base services.

The Atari 830 Acoustic Modem requires the use of the Atari 850 Interface Module. It comes ready to use with all necessary cables and full operating instructions. List price: \$199.95.

#007ATR830 **OUR PRICE: \$169**



### Atari 850 Interface Module

The Atari 850 Interface Module has four RS232C (an industry standard) ports into one of which you plug the Atari 830 Acoustic Modem. Also, it has an 8-bit parallel output interface port (another industry standard) into which you plug the Atari 825 80 Column Printer. Besides these Atari peripherals, the 850 Interface Module allows you to use with your Atari computer numerous specialized devices made by other computer manufacturers.

The Atari 850 Interface Module comes ready to use with an interconnecting cable and full operating instructions.

List price: \$219.95.

#007ATR850 **OUR PRICE: \$184**



### Joysticks and Paddles

Either the Atari Joysticks or Paddle Controller are required to play any of the interactive video games available for use with the Atari 400 and 800 computers. They plug into ports on either Atari computer. Before purchasing, please notice which type of controller is required with the particular game which you are ordering.

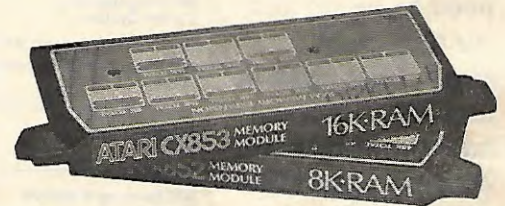
#007CX3003 Paddle Controllers **OUR PRICE: \$19**

#007CX3004 Joysticks **OUR PRICE: \$19**

### Datasoft Le Stick

Le Stick is a joystick with remarkable realism and control. Inside Le Stick are motion detectors which will maneuver your sights in any direction you want with simple one handed movements. The large red pushbutton on top provides a quick and accurate firing mechanism for better response time. From Star Raiders to graphic draw programs — Le Stick eliminates all the frustration you experience with the conventional two handed joysticks or keyboards.

#DAST36 **OUR PRICE: \$39 each**



### Extra RAM Memory

The Atari 800 comes with 16K of RAM (Random Access Memory) and has slots for two additional memory modules. If your specialized computer application requires additional memory, you can purchase additional memory modules in either 8K or 16K increments.

#007CX852 8K RAM Module **OUR PRICE: \$44**  
#007CX853 16K RAM Module **OUR PRICE: \$89**

### Extra Diskettes

Crutchfield now stocks Maxell blank diskettes for use with the 810 disk drive. Maxell is an industry standard for quality. Packaged 10 per box.

#109MAXL10 **OUR PRICE: \$39**

## ATARI PACKAGES

### The Communicator®

See the latest stock market prices right on your television screen. Or access awesome amounts of information, news games and electronic mail from information services like CompuServe, The Source, and Dow Jones. The Communicator® includes the Atari Telelink 1 cartridge, an Atari 850 Interface Module, and an Atari 830 Acoustic Modem so you can send and receive information from your home phone. You also receive a free hour of connect time each to the Dow Jones Information Service, the CompuServe Information Services and The Source! List price: \$449.95.

#007CX484 **OUR PRICE: \$339**

### The Programmer®

Solve business and science problems, invent your own games or even compose music. The Programmer® helps you personalize your Atari 400 by teaching you how to write your own programs. You'll be writing BASIC programs in minutes. After that, the possibilities are unlimited! The Programmer includes an Atari BASIC Computing Language cartridge, the Atari BASIC Reference Manual and the Atari BASIC Self-Teaching Guide that teaches you how to program step-by-step. With The Programmer® you're ready to use the Atari 400 Computer System just the way you want to. List price: \$79.85.

#007CX483 **OUR PRICE: \$64**

## BOOKS

### Compute Magazine's First Book of Atari

An excellent collection of useful articles to get the most out of your Atari computer. These well-written articles include numerous programs completely debugged and ready to use. This is the only book of its kind on the market today. And it is probably the best way to learn more about your computer.

#018CMAB01 **OUR PRICE: \$12**

### Master Memory Map from Santa Cruz Educational Software

Every programmer would like to know more about Atari memory locations. At last there is a single source for this vital information. This memory map includes dozens and dozens of interesting functions, all addressable from BASIC, to increase your programming power. And the manual includes suggestions on how to use these locations.

#201SCES10 **OUR PRICE: \$7**



## COMPLETE SYSTEMS TO FILL YOUR COMPUTING NEEDS

We at Crutchfield have put together a group of Atari Computer Systems which include everything you need to be up and running right away. Each system includes the hardware that will be most useful and software packages designed to meet your specific needs.

	400 COMPUTER	800 COMPUTER	410 PROGRAM REC	810 DISK DRIVE	820 40 COLUMN PRINTER	825 80 COLUMN PRINTER	830 ACOUSTIC MODEM	850 INTERFACE MODULE	EXTRA RAM REQUIRED			JOYSTICKS/PADDLES	SOFTWARE AND/OR CARTRIDGE INCLUDED
									8K RAM	16K RAM	32K RAM		
400 Entertainment Starter System	X											X	Choice of Cartridge: Star Raiders, Missile Command, Chess, Asteroids, Super Breakout, Basketball
400 Programming Starter System	X		X		O								Basic Cartridge and Invitation to Programming I
400 Telecommunications System	X						X	X					Telelink Cartridge, Source, Dow Jones, and CompuServe Packages (include password & 1 hr. free time), Telelink Manual
800 Programming Starter System		X	X		O								Basic Cartridge and Invitation to Programming I
800 Telecommunications System		X					X	X					Telelink Cartridge, Source, Dow Jones, and CompuServe Packages (include password & 1 hr. free time), Telelink Manual
800 Stock Analysis System		X		X	O		O	O	X				Stock Analysis Diskette
800 Personal Finance System		X		X	O	O		O		X			Three Personal Finance Diskettes
800 Decision Analyst System		X		X	O	O		O		X	S		VisiCalc Diskette
800 Dow Jones Investment System		X		X	O	O	X	X			X		Dow Jones Evaluator Diskette
800 Word Processor System		X		X		X		X			X		Two Word Processor Diskettes and Audio Tape
800 Accountant System		X		2		X		X			X		MICROLEDGER, MICROINV, MICROREC, MICROPAY. Includes MPCDC Data Cable

X = Included in the System. O = Optional S = Suggested

## COMPUTER FURNITURE

Finding a place to put your computer system can sometimes be a problem. At last there is a line of attractive and reasonably priced furniture designed specifically for the Atari Computer systems. We offer two computer tables which will meet everyone's needs:



CT-707

The model CT-707 is a portable computer table which moves easily on dual-wheeled casters. With plenty of room for a complete system and a drawer for software storage, this table allows your system to be where you want it to be.

Assembly required. Dimensions: 33½" high, 19¾" deep, 39" wide.

#146CT707 **OUR PRICE: \$99** freight collect\*



CT-709

The model CT-709 computer table is ideal as a work station. The large drawer and lower shelf give this table the flexibility to handle large systems and future expansion. The attractive hickory grain laminate finish looks good anywhere.

Assembly required. Dimensions: 32¼" high, 23½" deep, 51¾" wide

#146CT709 **OUR PRICE: \$129** freight collect\*



## WAIT! There's More!

These pages represent only a partial listing of the many programs compatible with the Atari 800 and 400 personal computers. In fact, as you read this page, many new and exciting software developments are hitting the market! For the latest word in business, finance, education, programming, or entertainment software call us toll-free.

## MORE SOFTWARE!

### Personal Finance

#### Personal Financial Management System

The Atari Personal Financial Management System is a database-oriented system designed to help you plan and analyze your budget. Use it to keep track of all financial transactions, including cash, checking accounts, savings accounts and credit card use. You can look up past checks, credit card expenses or cash expenses. Records can also be displayed by budget category, date or payee.

It also allows you to set budget goals and receive charts and printouts that follow budget progress. The program will also allow you to use present data to forecast future trends. Consists of two program diskettes and one blank data diskette. Requires the 800 and 810. Printer optional. RAM requirement: 32K. #007CX406 \$64

#### Dow Jones Investment Evaluator

The Dow Jones Investment Evaluator automatically connects your Atari 800 Computer with the Dow Jones Information Service and updates the value of your portfolios. It retrieves the current day's quotations on your stocks, U.S. and foreign bonds, mutual funds, treasury bills, and options, and then prints a report that displays your current portfolio's value and both the net and percentage changes. Requires the 800, 810, 850 and 830. Printer optional. RAM requirement: 48K. #007CX42 \$89

#### Bond Analysis

The Bond Analysis diskette program features three analysis programs: *Bond Comparison* provides a planning and decision making tool to help you determine whether to switch currently held bonds. *Bond Price and Interest* computes the price and accrued interest for a given bond and provides the annual coupon in dollars, the redemption value, the maturity, and the yield. *Bond Yield* calculates the before and after tax yield of a given bond using two tax rates, one for ordinary income and one for capital gains. Requires 24K of RAM and the 810. #007CX8106 \$22

#### Mortgage & Loan Analysis

The Mortgage & Loan Analysis program cassette allows you to compare mortgage terms, including monthly payments and total interest payments with varying rates of interest. Requires 16K of RAM and the 410. #007CX4115 \$14

### Stock Analysis

Analyze your stock investments using the Atari Stock Analysis Program. This diskette contains three programs: *Portfolio Analysis* is used to evaluate portfolios. The computer uses statistical measures of return and variance to calculate the arithmetic mean and standard deviation for one or more stocks. *Stock Rate of Return* allows you to analyze the performance of a stock over a range of time. *Stock Dividend Analysis* calculates the intrinsic value of a stock. Compute the discounted present value of the estimated dividends. The program computes the length of time a growth rate must continue or the price/earnings ratio that must be reached to make the intrinsic value equal to the current market price. Requires 24K of RAM and the 810. #007CX8107 \$22

#### Stock Charting

With the Stock Charting program diskette you can track and study selected stocks and their market performance. This program allows you to retrieve, list, and graph data entered on a daily basis. The graph includes a 6-day oscillator, closing quotes, volume and 10-day average. Requires 24K of RAM and the 810. #007CX8108 \$26

#### Mailing List

Use the Atari Mailing List program cassette to keep a record of names and addresses for Christmas cards, birthdays, or club activities. A General List program is included, which you can use to create and save other types of lists, like household inventory, insurance policies, recipes, hobbies, tapes and records. You can sort the data alphabetically or numerically, and print labels or lists with an optional Printer. Requires 24K of RAM and the 410. #007CX4104 \$22

### Professional Applications

#### Filemanager 800

Synapse Software has developed a complete random-access file management system for the Atari 800 and 810 Disk Drive. This versatile system gives you complete freedom in defining the file to represent anything you want: an inventory, a customer listing, and address file, a mailing list, etc.

Because the program disk and data disks are separate, you can re-use Filemanager with an infinite variety of files of any length. You also have complete freedom to re-index each file for sorting and accessing your data any way you wish. Filemanager 800 even includes the ability to extract information from any file for printing labels! You can also print out your file in any format.

The most unique feature of Filemanager 800 is the use of their Datalock Key. This key plugs into the front controller port #1. Without this key in place, no one can have access to your files. Even while the program is running, you can remove the key without any loss of data, to protect your information. Depending on the length of each record, you can have up to 1000 records per disk, and access any particular record in 1½ seconds or less. Synapse has even utilized the graphics power of the Atari computer to make Filemanager 800 a pleasure to use. 40K RAM minimum, 810 Disk Drive required. #109SYNP80 \$99

### Compumax MICROINV

MICROINV is a series of programs that carry out the inventory control functions of a small business. The master file maintains detailed information on your inventory stock, while the transaction file monitors data on items received into your inventory or issued to jobs or locations. The inventory reports consist of the stock status report, which gives you the status and valuation of each item as well as the cumulative value for all items on hand, and the ABC Analysis, a report which categorizes your inventory according to frequency of usage and reports the dollar value of each group. The Economic Order Quantities program will ask for information concerning the cost of ordering and carrying inventory items, and then advise you of the quantity in which it is most economical to order the item. Requires two 810s and 48K of RAM. #109CMPX04 \$200

### Compumax MICROLEDGER

The General Ledger system performs the essential duties of double entry bookkeeping. The first program builds and maintains the chart of accounts file. You may have up to 884 accounts. The second program organizes and updates the journal file. Program 4 will generate your Trial Balance. If it is not as you want it, you have several resources available through the update programs to make adjustments. Finally, you generate the financial reports, the P&L Statement and the Balance Sheet. Requires two 810s and 48K of RAM. #109CMPX01 \$140

### Compumax MICROPAY

MICROPAY handles the necessary operations of Accounts Payable required by most small businesses. Two files are used - a transaction file into which you enter activity on your accounts during a user-defined period, and a master file which contains your permanent records of all due and paid A/P. MICROPAY will also create and maintain a Journal File for those who wish to use the package interactively with MICROLEDGER. All listings and reports displayed on the screen may also be obtained in hard copy. Requires two 810s and 48K of RAM. #109CMPX02 \$140.00

### Compumax MICROREC

This system manages and documents the Accounts Receivable functions of your business accounting system. You will again work with two files - a transaction file and a master file. The transaction file holds A/R transactions until a period is ended and you wish to accumulate them into the master file. The master file is a permanent record of all A/R entries and customer payment receipts. Use program 1 to print customer invoices (provided in mailable format on your printout). Produces customer statements showing invoice numbers, aging, amounts invoiced and payments received and provides a final "balance due" figure. A Journal File is created for those who use MICROREC in conjunction with MICROLEDGER. Again, all screen reports and listings are obtainable as printouts. Requires two 810s and 48K of RAM. #109CMPX03 \$140.00

### VisiCalc

The VisiCalc program is the most widely-used personal computing program in the world to-



day! That's because VisiCalc is the easiest to use, most versatile way for you to "run the numbers" when evaluating any financial or business decision.

Setting up any analysis using VisiCalc is as easy as using pencil and paper. Just type text, numbers and formulas for calculations wherever you want to place them on the screen. Change any number and instantly, all numbers affected by that change are recalculated and the results displayed. So you can see the impact of your decisions before you make them.

VisiCalc is easy to learn. You don't need to know any computer programming. VisiCalc is as simple to use as a pocket calculator, and just as accurate; eleven-digit precision is standard.

VisiCalc's on-screen editor allows you to move around and change numbers, formulas and numbers across columns and rows. And after VisiCalc has finished calculating, you can print out a written record of it. Requires Atari 800, 810, printer optional. RAM requirement: 32K; 48K recommended. #250VISICAL \$184

## Atari Word Processor

Increase your productivity with the Atari Word Processor. Text, reports, documents, letters and memos can be created, edited, stored and printed. Anyone who does any typing will find this program beneficial - teachers, writers, secretaries, entrepreneurs, college students. Two diskettes. Requires the Atari 800, 810, 850 and 825. RAM requirement: 48K #007CX404 \$129

## Calculator

Turn your Atari Personal Computer into a powerful programmable calculator with 145 functions. Program it yourself using the 3072 byte (3K byte) program memory and 100 memory registers (direct addressing). Algebraic (with or without operator precedence - ALG or ALGN), or Reverse Polish Notation (RPN) may be used. Requires a minimum of 16K of RAM and an 810. Attach an Atari Printer and it becomes a printing calculator. #007CX8102 \$34

## Graph It

Create your own bar graphs, pie charts, two and three dimensional plots and polar plots on your television screen. Use your Joystick Controller to find values of specific points on two and three dimensional plots. Requires a minimum of 16K of RAM and the 410. Two cassettes. #007CX4109 \$17

## Statistics I

Use Statistics I to determine general statistics from your data, such as mean, mode, median, standard deviation, variance, skewness, kurtosis, and root mean square. Atari's unique editing capability allows you to replace erroneous data inputs rapidly. Requires 410 and 16K RAM. Additional memory allows you to analyze more data. #007CX4103 \$17

## Textwizard

Textwizard is no kids' game. It's a sophisticated and complete word processing program for the Atari 800. Here is instant control over the creating, editing and formatting of any writing. Insert words. Replace phrases. Delete

sentences. Move paragraphs. Automatically repositions surrounding text. Textwizard does it all with over 50 simple commands.

On your command, Textwizard will search out and correct mistakes throughout your document. And it protects you from common operating errors by warning you before you make them.

Textwizard will printout as many original "copies" as you need. In boldface, elongated or condensed lettering, upper or lowercase, with proportional spacing. And you can store your work on a diskette.

So, whether you write legal briefs, computer programs, or The Great American novel, Textwizard can make your work easier. And though it's no toy, it's fun to use. Requires Atari 810 disk drive and at least 32K of RAM. #109DASTWZ \$97

## Programming

### Microsoft BASIC

Atari's Microsoft BASIC makes programs written in this popular computer language available to Atari Personal Computer owners. Language extensions provide convenient access to the special sound and graphics capabilities of your Atari computer. Accompanying documentation explains the use of the new language features provided, plus special information on hardware support for player/missile graphics, character set definition, and color and sound parameters. It is faster than Atari BASIC and provides greater floating point precision (to 14 digits). Microsoft BASIC's features make it particularly appropriate for the experienced software developer. Diskette. Requires the 800 and 810. Minimum RAM requirement: 32K. #007CX413 \$79

### Assembler Editor

Write your own program in assembly language. Perfect your program by single-stepping through it an observing how memory and the processor's registers are affected by each instruction. Store your programs on cassette or diskette and recall them later for editing and execution. Use assembly language when you need fast, efficient code. This cartridge includes an Editor and a Debugger. It comes with a user's manual. #007CX4003 \$54

### DATASM/65

DATASM/65 is a full-scale Assembler/Editor for professional applications. This system can be used for the development of large machine language programs for the Atari 800. Source code input and object code output is the same as that used by the 6502 microprocessor. DATASM/65 is a 2-pass assembler. The PIE editor (Programming Improved Editor) is a full function screen editor suitable for all input processing for the entry of assembly language programs. DATASM/65 provides for the use of the MOS Technology 6600 series Microprocessor Instruction set. It also provides a full family of extended mnemonics for control of assembly formatted output. The system requires an Atari 810 disk drive and at least 32K of RAM. #109DAST65 \$89

### LISP

LISP is the language that can think for itself. With LISP your microcomputer possesses

intelligence, solves problems like never before, can actually learn from its mistakes and educates itself in much the same way your brain operates. It's a new concept in the way information is handled in microcomputers.

An advanced high-level language, LISP was first developed for use in artificial intelligence on large computers. And now, LISP is available from Datasoft for use on Atari Computers.

Store multiple programs in memory. It can take it. Program other languages into LISP. It's no problem. Because LISP offers greater capacity and power. And, it's a faster, more streamlined language. For example, just 2 lines in LISP could equal hours of BASIC programming. The facts: Relational data base capabilities. User and program definability. Pattern-directed invocation language. Uses syntax and data structures upon which esoteric applications may be implemented. Remembers data along with "relationships affecting it." Offers real power to micros. LISP is the language of the future. Requires Atari 810 disk drive and at least 48K RAM. #109DASTLS \$139

### PILOT (WITH "TURTLE" GRAPHICS)

PILOT (which stands for Programmed Inquiry, Learning Or Teaching) is an easy-to-learn and easy-to-use programming language. It was designed for teachers to create interactive educational programs. PILOT's simple syntax and text orientation make it an ideal language for introducing computer programming to both children and adults. In fact, beginners may write interesting programs after their first or second session. ATARI PILOT also features a powerful set of simple graphics commands ("turtle" graphics) for drawing color designs and pictures on the television screen, musical sound generation for up to four simultaneous voices, and commands for accessing files on diskette and cassette (including the use of synchronized pre-taped audio for enhancing instructional programs). Cartridge. PILOT is available in two versions: an educators' package and a home package. ATARI 810 Disk Drive and ATARI Printer optional. Suitable for ages 8 to adult.

### PILOT (Educators' Package) (007CX405)

The educators' package comes with PILOT application programs on two cassettes (minimum RAM requirement: 16K) illustrating programs for kids, graphics capabilities and uses for teachers and business people. The package also comes with a comprehensive PILOT Primer for beginners, a Student PILOT Reference Guide, a Pocket Reference Card, and a Demonstration Program Users' Guide. Everything is contained in a convenient binder for easy access to the components. ATARI 410 Program Recorder required for PILOT application programs. #007CX405 \$119

### PILOT (Home Package) (007CX4018)

The home package is economical for home and student use. It includes the same PILOT language cartridge, the Student PILOT Reference Guide and a Pocket Reference Card. #007CX4018 \$69

### An Invitation To Programming 1: Fundamentals Of Programming

This program consists of six lessons, which in-



introduce you to the Atari keyboard, teach you to use the PRINT statement, and perform mathematical calculations. The last lesson shows examples of the Atari Personal Computer's color graphics and sound capabilities. One cassette. Requires 410. #007CX4101 \$22

## **An Invitation To Programming 2: Writing Programs One & Two**

Learn how to write programs in BASIC. These lessons cover library functions, FOR...NEXT loops, subroutines and READ, DATA, DIMension, PEEK and POKE statements. They also cover flow charting and programming structure. Includes two cassettes and a workbook. Requires the Atari 410. #007CX4106 \$26

## **An Invitation To Programming 3: Sound & Music And Graphics**

The Sound & Music cassette includes lessons covering simple music theory and Atari BASIC commands for setting the sound registers to the desired pitch, purity and loudness levels. Learn to write BASIC programs to play your favorite tune. The Graphics cassette teaches you to use the color registers, the graphics characters, the SETCOLOR and POSITION statements, and graphics modes 0 through 5. Includes two cassettes and a workbook. Requires the Atari 410. #007CX4117 \$26

## **Disk Detective**

Disk Detective is a utility program that unlocks the mysteries of your Atari disk system. Until now, you were limited by DOS commands to only a fraction of the power of your disk system's capabilities. In order to use this program properly, you should have a working knowledge of Atari DOS and hexadecimal to decimal conversion. Disk Detective consists of two unique program modules, DISKMAP and DETECTIVE. DISKMAP will let you see which sectors on your diskette contain data and which are free. DETECTIVE then lets you examine, modify, or move sectors as you desire. Can be used with the Atari 800 or 400 with at least 16K of RAM and requires the 810 disk drive. #109DASTDT \$27

## **Character Generator**

Character Generator provides a method of changing the hardware character set within the Atari computer. This technique can allow the Atari to display many different languages and dialectic fonts along with specialized graphic sets. Character Generator is supplied on Tape and requires 16K of RAM. #109DASTCG \$15

## **Santa Cruz Tutorials**

Atari computers have many unique built-in features which allow them to perform tasks which no other personal computers are capable of. For example, the 9-color graphics, sound, player/missile graphics, and display lists which are all built into the hardware allow ATARI to out-perform all its competitors. The best software available utilize all of these resources to the fullest. But, how can you learn to write such advanced programs?

At last there is a series of tutorials which will teach you how to use your Atari computer to the fullest of its impressive capabilities. Each of these Santa Cruz Tutorials consists of a series of programs demonstrating a particular

technique and a workbook explaining the programs. The tutorials allow you to modify the demonstration programs for experimenting and creating your own special effects.

All of the programs are written in BASIC for easy interpretation and modification. But, these techniques are equally applicable to machine language programming. The Santa Cruz Master Memory Map is highly recommended as a reference for these tutorials.

The methods of instruction used is by far the most efficient way of learning. The demonstrations illustrate each programming technique in a step-by-step fashion. At each step you are given the opportunity to experiment on your own before continuing. The documentation is well-written and clearly explains each program.

## **Tutorial #1: Display Lists**

The Display List is the program used by the special Atari graphics processor. By modifying a display list you can mix graphics mode—mix large and small text, high and low resolution graphics, overlay images, etc. This tutorial teaches you how to make these modifications. Also included are useful subroutines which can be used in your own programs  
#201SCTTC1 cassette 16K \$19  
#201SCTTD1 disk 24K \$19

## **Tutorial #2: Horizontal/Vertical Scrolling**

Many of the most challenging games utilize scrolling techniques to allow you to play in a much larger area than is displayed on the screen at one time. Now you can learn to move text or graphics up, down, or sideways. Includes several subroutines for use within your programs. Some examples even use machine language subroutines for smooth fast scrolling.  
#201SCTTC2 cassette 16K \$19  
#201SCTTD2 disk 24K \$19

## **Tutorial #3: Page Flipping**

The technique illustrated in this lesson allows you to instantly flip from one graphics image to another, without waiting while the second image is being drawn. This capability is unique to Atari. It is even possible to instantly look at up to 50 pages of graphics, depending on your memory size and graphics mode.  
#201SCTTC3 cassette 16K \$19  
#201SCTTD3 disk 24K \$19

## **Tutorial #4: Basics of Animation**

Animation allows you to move images around on the screen using PRINT and PLOT commands. This tutorial also introduces Player/Missile graphics, and is a good place to begin learning about these advanced techniques.  
#201SCTTC4 cassette 16K \$19  
#201SCTTD4 disk 24K \$19

## **Tutorial #5: Player/Missile Graphics**

Another of the unique features of Atari computers is the ability to manipulate four graphic images (Players), each with its own missile, independently. Techniques like those illustrated in this lesson are what make a game like Star Raiders so challenging. You will learn to create shapes, move them around on the screen, fire missiles, and cause collisions. This is the most complex tutorial in the series.  
#201SCTTC5 cassette 32K \$29  
#201SCTTD5 disk 32K \$29

## **Tutorial #6: Sound and Music**

The four sound synthesizers in your machine are very versatile devices. Tutorial #6 teaches you how to make interesting sounds for use in your programs—sound effects, bells, sirens, explosions, musical chords and entire songs. Seven demonstration programs teach you all you need to bring your own programs to life.  
#201SCTTC6 cassette 16K \$19  
#201SCTTD6 disk 24K \$19

Look for more Santa Cruz Tutorials to come in the near future.

## **Telecommunications**

### **Telelink I**

Turn your Atari Personal Computer into a computer terminal! You will need the Atari 850 Interface Module, the Atari 830 Acoustic Modem and a telephone. This will give you access to data bases and literally thousands of programs. #007CX4015 \$26

## **Education**

### **Conversational French, German, Spanish and Italian**

Have your own language lab at home. See the phrases you need to know when traveling to foreign countries spelled out with descriptive color pictures on the television screen while you listen to the instructor pronounce the phrases correctly. Each language course consists of five cassettes and a workbook, with drills for situations you may encounter on a trip. You may stop the lesson at any point to practice, and continue when you're ready. Requires the 410.  
#007CX4118 Conversational German \$54.  
#007CX4119 Conversational French \$54  
#007CX4120 Conversational Spanish \$54

### **Music Composer**

Use this cartridge and the computer keyboard to compose songs, recreate old tunes, or experiment. When you program musical notes through the keyboard, you hear the melody as it is simultaneously displayed on the screen. You can change any note or the tempo. And you can arrange the music to play different sections in the order you choose. Once you have entered music, you can save it on the 410 or 810. #007CX4007 \$54

### **Touch Typing**

The Touch Typing course is taught in three levels: beginning, intermediate and advanced. You learn to type a variety of different materials while the computer calculates words-per-minute and number of errors, and determines your weak points. The built-in sentence generator provides drill and practice to strengthen your weak points. This self-paced method of teaching Touch Typing allows you to learn at your own speed. Requires 16K of RAM and the 410. #007CX4110 \$22

### **Energy Czar**

You are the government official responsible for the United States' energy policy. You must make decisions about such complex problems as which energy sources to use, and whether



## SOFTWARE

or not to subsidize or tax energy forms, tighten pollution controls, freeze prices, or ration gas. You must also monitor the country's entire energy usage system, including prices, taxes and environmental effects. The results of your decisions show up in the growth rate of the economy, the inflation rate, and whether or not the public thinks you're doing a good job. Cassette. Requires 16K of RAM and the 410. #007CX4121 \$13

### Hangman

This educational program cassette has 3 levels of play — Beginner, Intermediate and Expert. You play against the computer by guessing the word the computer has selected. If you do not guess the word after six tries the computer will hang your man. You may use the computer keyboard or an optional Joystick Controller to guess the letter. Suitable for ages 8 to adult. Requires the 410. #007CX4108 \$13

### Kingdom

This educational program cassette simulates the running of a small agricultural kingdom. Catastrophes may befall your people, your food supply or your crops. You determine the farming strategy and if you are successful you are allowed to reign another term. Teaches and develops mathematical skills. Requires the 410. #007CX4102 \$13

### States & Capitals And European Countries & Capitals

These programs are educational tools designed to teach you the geography of the United States and Europe. Quiz yourself on the names and locations of the states and their capitals, as well as European countries and their capitals. The computer draws a map and you must identify the state or country outlined. You are then asked to guess the corresponding capital. Be sure to spell correctly. The computer keeps score. Each program consists of one cassette. Requires the 410.

#007CX4112 States & Capitals \$13

#007CX4114 European Countries & Capitals \$13

### Scram (A Nuclear Reactor Simulation)

Scram is an educational simulation of a nuclear power plant. Without a technical background, you can learn the fundamentals of its operation and develop a deeper understanding of nuclear safety issues. It also provides a game option that challenges you to apply the principles that you have learned from the simulation. Bad luck increases the probability of earthquakes. Allocate workers to repair damage. Above all, try to avoid a meltdown! Used with a Joystick Controller. 16K and 24K versions are on alternate sides of the cassette. 410 required. Ages 12 to adult. #007CX4123 \$18

## Entertainment

### Basketball

You can dribble, shoot, pass, block shots, and even make steals. Five different game variations allow one, two, three or four players to compete. Play against the computer, your family or friends. Uses up to four Joystick Controllers. Cartridge. #007CX4004 \$29

### Blackjack

Play one of the most popular casino games at

home with your Atari Personal Computer System. The computer is the dealer and it plays by the rules. You, on the other hand, bet money and decide whether to stand, draw another card or double down in your efforts to hit 21. One cassette. Requires the 410.

#007CX4105 \$13

### Video Easel

You can create a design or pattern on the screen using the keyboard or up to four Joystick Controllers, then watch as the computer expands on the original pattern indefinitely. Many variations allow you to create imaginative and colorful graphic designs. Uses Joystick Controllers. Cartridge.

#007CX4005 \$29

### Missile Command

Defend six major cities from invaders using three missile bases, like the popular Atari arcade game. Try to destroy incoming nuclear missiles, guard against killer satellites and bombers, and smart missiles that can dodge your fire. After each round of battle with the enemy, your points are tallied based on how many cities you have protected and how many missiles you have remaining. Each missile base has a limited arsenal. Each round becomes successively more difficult; the game lasts until all of your cities have been destroyed. Cartridge. One or two players. A game for kids of all ages. #007CX4012 \$39

### Asteroids

Asteroids draws you into a science-fiction fantasy like the best selling Atari arcade game, with several play options. The object is to shoot down asteroids that cross the screen before they crash into your spacecraft. Sound easy? It's not. These "enemy" asteroids become progressively smaller, swifter and more dangerous. And just to keep you honest, flying saucers occasionally veer onto the screen, emitting shots of their own. Defend your ship with laser bullets. You win points for each hit. You can move your spaceship to any angle, continuously, firing an unlimited supply of ammunition. One to four players. Cartridge.

#007CX4013 \$39

### Biorhythm

Use this program cassette to calculate physical, emotional and intellectual highs, lows, and critical days. By giving the computer your birthdate you can plot a biorhythm chart on your television screen or optional Atari Printer. Requires the 410. #007CX4107 \$13

### Computer Chess

You can play chess against the computer. Eight levels of play are available. Moves are made using a Joystick Controller. The chess board and pieces are shown on the screen. Both "castling" and "en passant" moves can be made by you or the computer. The board can be set up for a particular chess problem or situation. The computer can play either white or black. Uses one Joystick Controller. Cartridge.

#007CX4009 \$39

### Space Invaders

You've made a mission to the moon, but so have the deadly Space Invaders. It's up to you to protect the lunar surface as well as yourself

and your laser cannon. The Space Invaders program cassette has 12 different game variations, including one where the enemy shoots diagonally. For one or two players. Uses Joystick Controllers. #007CX4111 \$39



### Star Raiders

A state of war exists between the Atarian Federation and the Zylon Empire. Your mission: Destroy all Zylon star ships. This strategy and action cartridge features four mission skill levels and rates a player at the end of each session. Dramatic sounds and screen displays make this the most exciting game available today. Your battleground is the entire galaxy. Meteors fly through space; Zylon fleets surround and destroy friendly star bases, and docking at a starbase enables you to receive a new supply of energy and repair damaged equipment. For one player; uses a Joystick Controller. #007CX4011 \$44

### Super Breakout

This cartridge is a sophisticated version of the popular electronic video game Breakout, in which you smash through layers of bricks and knock out a wall. Four different games are available, up to eight players can play. You can optionally suspend play or request up to five additional serves. Cartridge. Uses up to four Paddle Controllers. #007CX4006 \$39

### 3-D Tic-Tac-Toe

Now you can play Tic-Tac-Toe from a three dimensional perspective. This game cartridge also contains Bottoms-Up, a variation of 3-D Tic-Tac-Toe. Match wits with the computer or compete against another player in either version. One-player games feature eight difficulty levels. Uses Joystick Controllers. #007CX4010 \$29

### Galactic Chase

Like the coin-operated game Galaxian, Galactic Chase is a fast-action arcade style game. The invaders fly at you firing laser bombs. At random, one, two, three, or even four attackers peel off and dive bombs your base. The longer you play, the harder it gets. Written completely in machine language, the program features detailed multi-colored graphics and two levels of difficulty. Requires 16K RAM. #109GALX10 cassette version \$24; #109GALX11 disk version \$29

### Dodge Racer

A very fast action arcade game where you drive a car through a maze while the computer drives one or two in the opposite direction at



tempting to crash into you head-on. Earn points for clearing the dots in the maze. The action gets faster and faster as you play. Requiring the Atari BASIC cartridge, this game uses super fast machine language subroutines. #109SYNP11 cassette \$25

## Krazy Shootout

This new cartridge game is like the popular coin-operated game Berzerk. Maneuver your man through random mazes while Androids pursue you. In this game of survival, it's kill or be killed. (Androids have no feelings, after all.) A visible timer determines whether you qualify for bonus points or a penalty. Using detailed animation techniques, this game requires fast reflexes as you can be attacked by 3 Androids at the same time. Because the mazes vary at random, each time you play it is different a game. Krazy Shootout comes in a ROM cartridge to run on any 400 or 800 computer. #109KBYT11 \$49

## Jawbreaker

Jawbreaker is a version of the very popular coin-operated maze game, whose name we can't mention. You guide your player through the maze eating up points while being chased by smiling omnivores. If they catch you, they will knock your teeth out. But, if you eat the special swirling dots, you have a chance to earn bonus points by catching your pursuers. Clear the entire maze and you will get your teeth brushed before you play again. Jawbreaker is probably the best use of Atari graphics capability to date. It plays better and faster than the "real thing." Requires the Atari 810 disk drive and 24K RAM. #109ONLN01 \$29

## Mouskattack

Mouskattack is an interesting variation on the PacMan theme. Rather than eating up the maze, you are a plumber laying pipe through the maze. Mice chase you and if they catch you, you're dead. What makes this game so unique are the defenses you can use: two cats and two mouse traps. The mice cannot get passed the cats, so you can position them to provide protection. When caught in the traps, the mice can be killed for bonus points. But, stay alert! At random Super Rats may appear. (You can identify them by the big red "S" on their chests.) The Super Rats can eat your cats, and they are fast. Mouskattack was written by the author of Jawbreaker, so the graphics are excellent and the action is very fast. Written completely in machine language; requires 32K RAM and 810 Disk Drive. #109ONLN02 \$39

## Mission: Asteroid

In this adventure, your mission is to prepare for a voyage to an asteroid and blow it up before it collides with the Earth. Detailed high-resolution graphics make this an enjoyable game. Because it is written in machine language, Mission: Asteroid plays quickly and the graphics change almost instantly. 40K RAM minimum and 810 Disk Drive required. #109ONLN04 \$24

## Wizard and the Princess

This adventure game takes you through deserts, chasms, and oceans in search of the Princess. High resolutions graphics make your quest enjoyable. Find the Princess and your

reward is half the kingdom. Written in machine language, the images are detailed and change quickly. This is one of the best-selling adventures of all time. 40K RAM minimum and 810 Disk Drive required #109ONLN03 \$32

## Fantasyland 2041

Six worlds — where anything is possible! You choose your weapons carefully for your life will be in constant danger from now on. For you ride in search of adventure, mystery...and a thousand dollar treasure!

The first leg of your journey takes you into a primal, untamed jungle world where nature makes the rules, and you find yourself pitted against the awesome might of the elephant, the regal fury of the lion, and the savage culling of man. The jungle gives way to a vast desert, where hot shifting sands hide life-giving oases, ancient ruins and danger. Then, without warning, time shifts, and you gaze in awe at the gleaming towers of Camelot. A land of Wizards, Dragons, Kings and Quests!

Beyond Camelot, a sparkling sea, a timeless Grecian city to rival Olympus, and...a ship. An Argos, a brave crew, and the search for Atlantis begins. Your search leads you beneath the sea, to a beautiful and alien world where nothing is as it seems, and danger comes swiftly with the silent and deadly shark.

The climax of your quest, the supreme test of courage and wits awaits you in the sixth and final world of Fantasyland. Here, struggling against the sulphur pits and undying demons of the Inferno, you confront the gravest danger, the final mystery. Are you cunning enough to solve it? Are you brave enough to complete your quest?

The challenge is *real*. The reward is *real*. Will you be the first to solve the \$1,000.00 mystery of Fantasyland 2041?

Fantasyland includes a total of six disks and requires one Atari 810 disk drive and at least 40K of RAM. #109CRYS05 \$49

## The Forgotten Island

Journey to the Forgotten Island, discover the mystery of Alcemnon. Crawl deep into an active volcano, and explore the Tombs of Safron. Beyond lay the Satyr's Caverns and unspeakable horror. This game is unique unto itself and a truly challenging adventure. It includes 1 disk and requires one Atari 810 disk drive and at least 48K of RAM.

#109CRYS08 \$34

## Sands of Mars

You embark on the Maiden Voyage of the Starship Harman. This game takes up almost 200K and uses 2 disks. It includes more than 300 Hires screens animated scenarios, and a Martian labyrinth drawn entirely with hexagons. The takeoff and landing sequences are joystick controlled for the Atari. Once you land on Mars, you will wander through fields of Sasquati and degwat. Beware of the Vishu and the Lizardmen Meshim. Seek the wise Mudra and unlock the secrets hidden for centuries. Glyphs written on the Martian Sand hold the key to the mystery. To answer a question we have been asked many times — yes, Sands of Mars attempts to fully utilize the sound and graphics capabilities of the Atari to their max! Requires one Atari 810 disk drive and at least 40K of RAM. #109CRYS11 \$34

## Star Warrior

You owe yourself some fun time and you have just loaded the new Star Warrior into your computer. Suddenly, you are one of the Furies and retribution is your business. The Interstellar Union of Civilized People has been annexed by a soul crushing dictatorship. You have been given the mission to assassinate the military governor and then destroy the installation. That's Scenario 2.

In Scenario 1 you are on a diversionary mission for the assassination attempt. You want to do as much damage to the enemy units as possible.

There are two scenarios and five levels of difficulty. You have the choice of suits and equipment, and of movement, combat and special commands. In other words, like all Epyx games, there are enough variations in the game so that you will never tire of playing.

Comes as a cassette and requires at least 32K of RAM. #109EP424C \$37

## Invasion Orion

Turn on your computer and you have an instant opponent, ready to challenge you in Invasion Orion, the complete tactical science-fiction game from Epyx. You command up to nine starships. Each ship spends energy on moving, shielding itself, and firing its three weapon systems — destructor beam, missiles and torpedos. The computer takes care of the details, making the game easy to play. And the simultaneous combat is resolved quickly so you can proceed with your starfleet decisions. Choose from three levels of play difficulty, 30 ship types and 10 fictional scenarios — or create more of your own! Invasion Orion is infinitely expandable. Comes on cassette and requires at least 32K of RAM.

#109EP120C \$23

## Rescue at Rigel

In Rescue at Rigel you have 60 minutes to find your way through a maze of corridors, chambers, grav-shafts and teleportals to release 10 humans held somewhere within. Armed with powergun and blaster you must battle the insectoid aliens that inhabit the complex, and then get the prisoners — and yourself — out alive! Can you save the prisoners before your powerpak is depleted? Can you get back to your rendezvous point in time? Or will the ten humans be transformed into mindless automatons? You are their only hope! Comes on cassette and requires at least 32K of RAM. #109EP410C \$23

## The Datestones of Ryn

The treasured datestones of Ryn have been stolen by a dastardly band of robbers and your mission is to retrieve them before the thieves can escape! Not only does the real time action keep you on the edge of your seat, but you must finish your quest within 20 minutes! In the Datestones of Ryn you'll explore a cave complex where the stones are hidden. Armed with sword and bow, you must battle thieves and monsters to reach the stones. The Datestones of Ryn has a built-in competitive scoring system, so you can compare your skills with other players. Comes on cassette and requires at least 32K of RAM. #109EP310C \$18



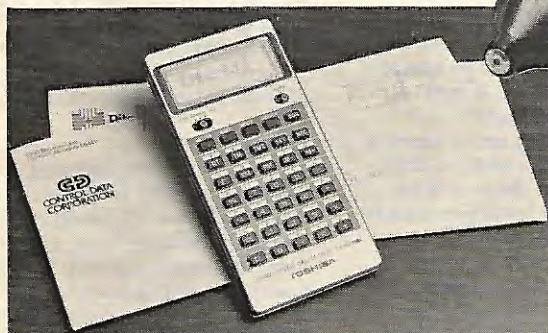
## Digitronic I

At last, a foolproof, easy to use home blood pressure unit that lets you diagnose hypertension before it threatens your life! Yes, American Medical Association research has indicated that as many as 25 million Americans may have high blood pressure without knowing it. The Digitronic I from Lumiscope, a leader in electronic blood pressure products, accurately measures blood pressure and pulse while it

automatically screens out artifacts.

Its one hand operation and compact design makes Digitronic I easy to use anywhere. Digitronic requires four size "AA" batteries (not included). List price: \$199.95.

#034100041 OUR PRICE: \$139



## Toshiba Memo Note

It's 10:30 a.m. One of the 30 preset alarms sounds, reminding you to call Liz in London. Her phone number is displayed and you

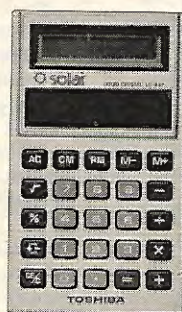
know the time there thanks to the world time zone function. You make use of the Memo Note's full function calculator and consult the memory for her favorite restaurant. Arrange a rendezvous and program a reminder to meet her at the airport. Up to four alarms per day remind you to keep your appointments or take your medication. Memos can be as long as 40 digits.

#174LC1019 OUR PRICE: \$89

## Toshiba Solar Calculator

Pocket size solar calculator works indoors even on candlelight. Never needs batteries. Functions include memory, square root and percent.

#174LC847 \$25

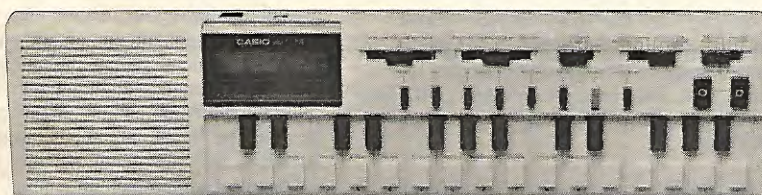


## BSR PK500

With the X-10 wireless remote control system for lights and appliances you can save steps, conserve electricity, increase home security, and impress your friends. The PK500 starter kit contains the ultrasonic command console which gives you wireless remote control within a 30 foot range. It controls up to 16 sets of the modules listed on page 81. The kit comes with two lamp modules and one appliance module.

List price: \$129.99.

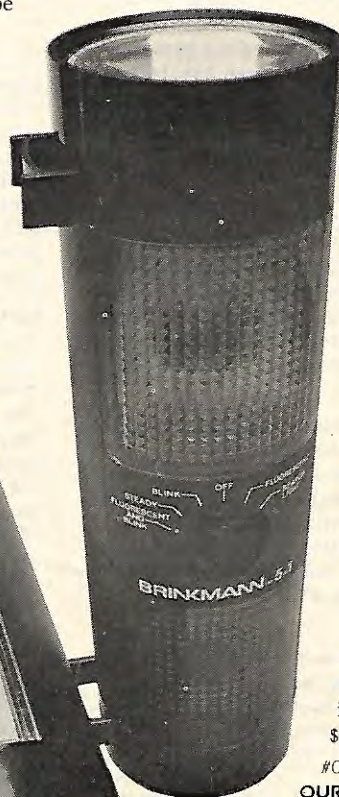
#009PK500  
OUR PRICE:  
\$84



## Casio VL-Tone

This one-of-a-kind product makes anyone a musician — even if you've never played a note in your life! Attracts a crowd wherever you go...imagine a completely portable one man band, complete with rhythm section. If that's not enough, the VL-Tone is a full function calculator too. The perfect gift for all ages, it's fun for everyone. Dimensions: 1½x11¼x3.

#015VLTONE OUR PRICE: \$69



## Brinkmann 5-IN-1

Now standard equipment in all Lincoln Continentals, the Brinkmann 5 in 1 is the ideal compact all purpose light that makes the ordinary flashlight obsolete. It's a flashlight, fluorescent lantern and an amber to red flashing traffic warning light. Uses 6 "D" cell batteries (not included). List Price: \$49.95

#017B1525  
OUR PRICE: \$39





## Rhoades Teledapters

Listen to television on your stereo. Teledapter easily connects to your own TV and stereo system to give you fill rich stimulated stereo sound through your amplifier and speakers. List price: \$39.95.

#148TE200 deluxe Teledapter **OUR PRICE: \$29**

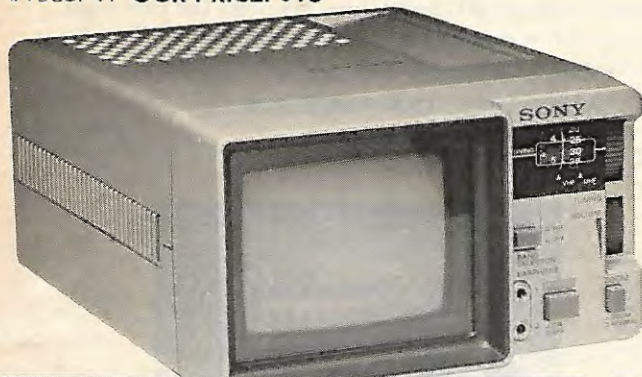
Also available: basic Teledapter, #148TE100, list price: \$19.95. Our price: \$16

## Sony Stadium for One

Sony's 3.7" black and white TV with compact dimensions, lightweight design, handy carrying case and optional rechargeable battery pack goes where you go and operates a full 4½ hours without recharging. The Picture Zoom control lets you enlarge the central portion of your picture about 1.5 times so you'll see greater detail on those instant replays. The Stadium for One features video and audio input jacks. List price: \$199.95. Sony battery pack #158BP41 available.

#158TV415 **OUR PRICE: \$189**

#158BP41 **OUR PRICE: \$18**



## Sony Tick Talk

Tick Talk: Revolutionary pocket AM/FM radio with a clock that talks! Touch the button on top of this astonishing Sony and an intelligent computer voice tells you the precise time. Tick Talk can be programmed to announce the time every hour on the hour or every three minutes. It's an alarm clock with snooze control.

#158VX1W **OUR PRICE: \$99**



## Panasonic Mr. Thin

This elegantly designed AM/FM radio with digital alarm clock is called Mister Thin because it weighs only 6½ ounces and is less than ¾" thick. Fits easily in your shirt pocket. Great for traveling. List price: \$94.95.

#133RF066 **OUR PRICE: \$74**

## Panasonic Travel Alarm

This attractive silver color travel alarm with four minute snooze button, LCD readout, back light and easel back stand is the perfect companion for anyone who needs to be on time all the time. Battery included.

#133TG22 **OUR PRICE: \$25**



## Polaroid Safety Flasher

You're changing a flat tire late at night on an unlit road. Without Polaroid's Safety Flasher, it's the perfect set-up for an accident. Safety flasher sends out a bright beacon of flashing light that other drivers can see up to 1 mile away. And it lasts for 4 hours on a single, wafer thin Polaroid Polapulse battery (not included).

#1474433 Safety **OUR PRICE: \$4**

#1474150 Battery **OUR PRICE: \$3**



## GCE Game Time

The electronic watch that plays four challenging action games: Firing Squad®, Missile Strike®, Alien Assault® and Blast Away®. The games get tougher as the player gets better. Games can be played with or without exciting action sounds.

#092GCEGT **OUR PRICE: \$39**



## Panasonic Travelvision

Introducing the world's most portable television. The Panasonic Travelvision is no bigger than the average paperback novel! It has a 1½" black and white picture tube. Comes with detachable magnifying lens, AC adaptor, earphone, built-in ni-cad battery, car cigarette lighter adapter and carry strap. One year warranty. List price: \$219.95.

#133TR1010P **OUR PRICE: \$179**







# ATARI® Video Games

When it comes to video games, no other manufacturer stacks up to Atari. That's because Atari takes fun seriously. The Video Computer System, which is not to be confused with the Atari 400 and 800 computers, includes the game console, Combat game program, two joystick controllers, two paddle controllers, AC power supply and TV/Game switch. The game cartridges listed here are not compatible with the 400 and 800 computers. Likewise the cartridges made for the 400 and 800 computers are not compatible with the VCS. However the controllers are interchangeable. List price: \$199.95.

#006CX2600 Video Computer System **OUR PRICE: \$169**

#006CX3003 Paddle Controllers **OUR PRICE: \$19**

#006CX3004 Joystick Controllers **OUR PRICE: \$19**

## Atari Game Cartridges

#006CX2602	Air/Sea Battle	\$21
#006CX2608	Super Breakout	\$28
#006CX2610	Warlords	\$28
#006CX2611	Indy 500	\$37
#006CX2634	Golf	\$21
#006CX2616	Pele's Soccer	\$28
#006CX2621	Video Olympics	\$21
#006CX2624	Basketball	\$21
#006CX2628	Bowling	\$21
#006CX2630	Circus Atari	\$24
#006CX2632	Space Invaders	\$28
#006CX2633	Night Driver	\$24
#006CX2638	Missile Command	\$28
#006CX2639	Othello	\$21
#006CX2646	Pac Man	\$34
#006CX2648	Video Pinball	\$28
#006CX2649	Asteroids	\$34
#006CX2652	Casino	\$28
#006CX2623	Home Run	\$12
#006CX2625	Football	\$12
#006CX2654	Haunted House	\$24

## Activision Game Cartridges

The award winning Activision cartridges are designed for use with the Atari Video Computer System (CX-2600) and the Sears Tele-Game Video Arcade.

#021AG011	Stampede	\$19
#021AG002	Boxing	\$19
#021AG005	Skiing	\$19
#021AX006	Bridge	\$26
#021AG007	Tennis	\$19
#021AG008	Laser Blast	\$19
#021AG009	Freeway	\$19
#021AG010	Kaboom!	\$19
#021AX012	Ice Hockey	\$26
#021AX013	Grand Prix	\$26
#021AX014	Barnstorming	\$26
#021AG001	Dragster	\$19



## Bush Video Game Cart

This handsome cart houses the Atari CX-2600, 30 to 40 game cartridges, joysticks, etc. with style. Comes assembled with casters. Gets that ugly mass of wires and cartridges off the floor forever. List price: \$59.95

#024G900 **OUR PRICE: \$49**



## Videostak Cartridge Organizers

Holds eight Atari and/or Activision game cartridges. Additional modules interlock easily as your collection grows.

#026VS2 **OUR PRICE: \$8**



# Casio CT-701

The amazing versatility of the CT-701 will please songwriters, combo keyboardists, amateurs and inexperienced beginners simply because this is an instrument that thinks! Everyone will enjoy the realistic sounds of a drummer, bass player, accompanist and soloist.

Anyone can use the exclusive Bar Code Reader to store a bar code musical score (includes several titles) in the CT-701's

memory. Then choose from 16 different rhythms ranging from pulsing rock to bouncing Latin sounds with bass patterns to match, selecting the style that appeals to you.

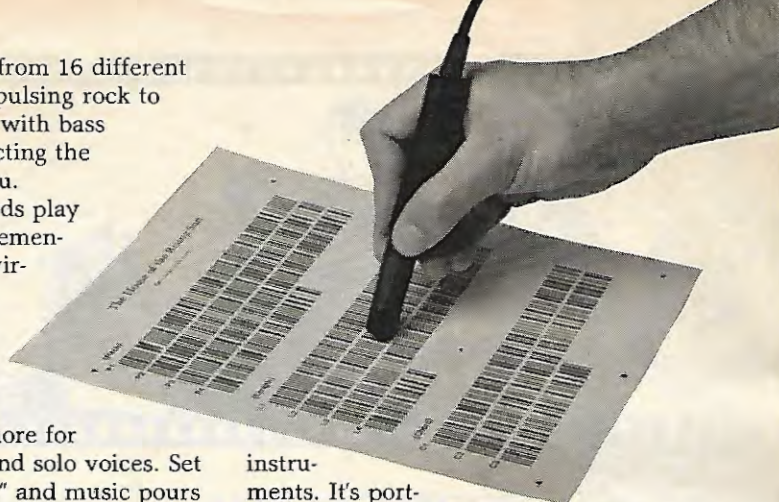
Accompaniment chords play continuously, in complementary patterns, or even virtuoso arpeggios, all at your option. Pick the sounds of classical pipe organ, chimes, piano, flute, wah brass and many more for your accompaniment and solo voices. Set the tempo, press "Start," and music pours out of the CT-701's built-in speaker, only minutes after opening the shipping carton.

Much more than an electronic player piano, the CT-701 features melody guide LEDs, located over each key and illuminated in sequence with the stored music, allowing inexperienced players to play along immediately.

Experienced musicians are inspired by the CT-701's endless possibilities. In group performance, play the compact, lightweight 61-note instrument through a larger amplifier and get that "most wanted" fat organ sound, special effects, funky synthesizer sounds, electric piano—a total of 20 distinct presets, ready for instant use.

At home the CT-701 becomes your private rehearsal band, allowing you to practise new songs, try new versions of old songs, even program songs you have written. You'll be able to explore musical ideas as an arranger/composer, with the CT-701 as an invaluable tool.

Compare the CT-701 with large, console



instruments. It's portable, doesn't monopolize your living room and in most cases *does* more at a lower price. If you're searching for a value in musical instruments, order the CT-701 now. After all, we can only *tell* you about this unique Casio. But in your home the CT-701 speaks for itself. List price: \$999.00

**FEATURES:** 61 key polyphonic keyboard produces up to eight notes simultaneously. 20 preset sounds: pipe organ, brilliant organ, diapason, woodwind, tibia, full tibia, flute, piccolo, jazz organ I, jazz organ II, piano, electric piano, vibraphone, marimba, celesta, chime, oboe, bassoon, funky, wah brass. Sound effects: sustain, vibrato (4 types), electronic sound effects (2 types). Built-in rhythms: rock, rock 'n roll, disco, slow rock, swing I, swing II, bossa nova, samba, rumba, beguine, tango, mambo, waltz, jazz waltz, march, boogie woogie, all with start/stop, synchro start, tempo and balance controls, plus tempo indicator and 10 different fill-ins. Memory Play stores up to 345 notes, 201 chords (100 measures). Pitch control, line out Hi/Low, headphone jack, built-in 4" speaker.

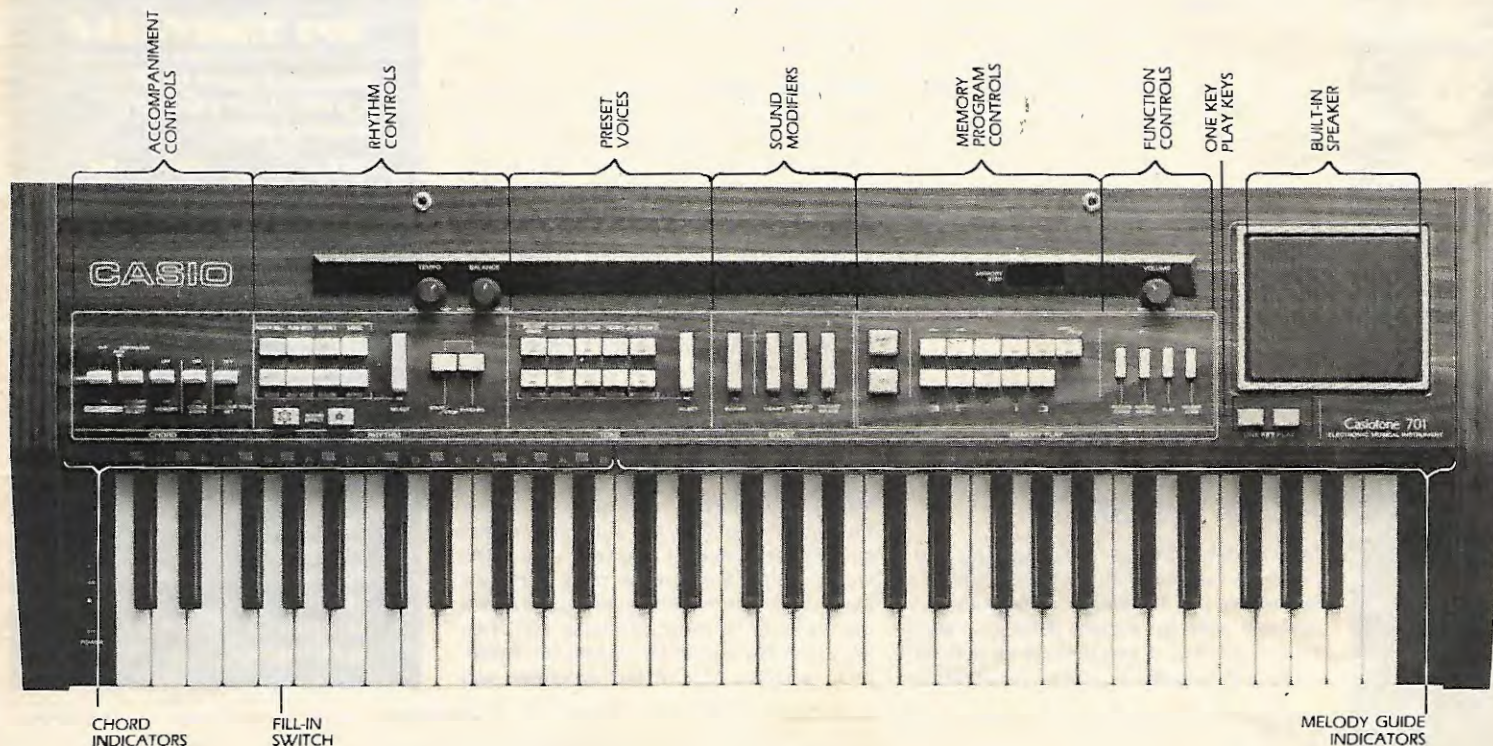
**SUPPLIED ACCESSORIES:** Score holder, Bar Code reader, Bar Code sheet music, lesson book, complete instructions, polish cloth, dust cover

**SPECIFICATIONS:** Dimensions: 37 3/4" x 13 1/2" x 5". Weight: 28 lbs

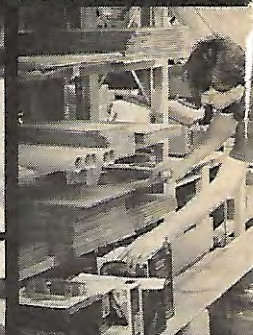
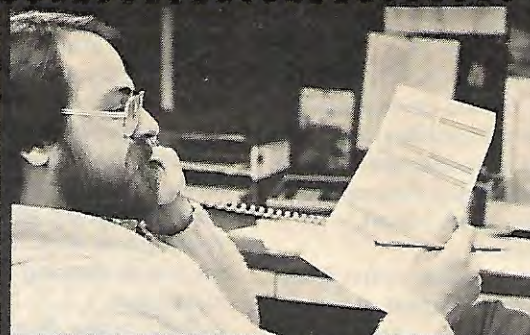
#015CT701 **OUR PRICE: \$899**

#### OPTIONAL ACCESSORIES:

#015CS2 floor stand **OUR PRICE: \$73**  
 #015SP1 sustain pedal **OUR PRICE: \$19**  
 #015VP1 volume pedal **OUR PRICE: \$54**  
 #015HC6 hard case **OUR PRICE: \$129**







## ORDERING BY MAIL

Complete the order form on page 114 and mail with payment or credit card information to:

Order Department  
CRUTCHFIELD  
1 Crutchfield Park  
Charlottesville, Virginia 22906

For fastest processing of your order, remove the mailing label from the back of your catalog and attach it to your order form.

## ORDERING BY PHONE

Call toll-free:

**800-446-1640**

In Virginia, call 800-552-3961

Monday through Thursday from 8 a.m. until midnight Eastern Time, Friday from 8 a.m. until 9 p.m. Eastern Time and Saturday and Sunday from 10 a.m. until 6 p.m. Eastern Time

## HOW TO PAY

**CREDIT CARD** — We accept VISA, Master Card, and American Express. For your protection, we thoroughly investigate the validity of all credit card charges. Credit card orders must be shipped to the billing address. \$25 minimum on credit card orders.

**CHECK** — For mail orders, you can pay by personal check, postal money order, certified check or bank cashier's check. However, personal checks are subject to credit verification and can delay your order up to two weeks.

**C.O.D.** — C.O.D. orders require a 20% deposit. This can be paid by check or credit card charge. *We cannot accept C.O.D. payment for orders shipped by parcel post or priority mail.*

## HOW WE SHIP

Most of our orders are processed and shipped from our warehouse to you within 24 hours. We pay the freight charges on any package sent by surface UPS or Parcel Post. However, if you request air service, there is an additional charge. If you are in

a hurry for your merchandise, consider Federal Express.

**UPS (FREE)** — UPS will deliver only to a residential or business street address. UPS cannot deliver to a post office or rural route box number. If these box addresses must be used, UPS will notify you by mail when your package arrives at their local terminal and will ask for a local delivery address or explain where to come for a pick-up.

**AIR UPS: (optional)** — UPS provides air service from Charlottesville to any city in the states of Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Idaho, Iowa, Kansas, Louisiana, Minnesota, Mississippi, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington and Wyoming. They also provide limited air service to locations within the states of Alaska, Hawaii, Missouri, and Wisconsin. Our Order Department can provide you with a list of all the communities served.

**CHARGE:** \$8.00 per pair of car speakers, \$4.00 for each other product.\*

**PARCEL POST: (FREE)** — Parcel Post is similar to but slower than UPS. However, a package shipped by Parcel Post can be delivered to a Post Office Box or Rural Route address.

**PRIORITY MAIL: (optional)** — Priority Mail is the U.S. Postal Service's equivalent of Air UPS. Generally, delivery can be expected anywhere in the nation within five days. If you live in Puerto Rico, your order **MUST** be shipped via priority mail.

**CHARGE:** \$6.00 per pair of car speakers, \$3.00 for each other product.\*

**FEDERAL EXPRESS: (optional)** — Federal Express provides overnight delivery to virtually any community in the United States from our Charlottesville, Virginia, warehouse. However, it is expensive.

**CHARGE:** Any of our salesmen will be pleased to quote you the Federal Express charge for your particular order.

**MOTOR FREIGHT:** — We must use Motor Freight to ship some of our home stereo equipment since it exceeds the UPS weight limit. Since these rates vary, we feel that the fairest policy is to apply an extra discount to these products and then have you pay the freight when the equipment arrives. Any of our Salesmen can

provide you with an approximation of the freight charge from our warehouse to your particular location.

## PLEASE NOTE

### IF YOU LIVE IN ALASKA OR HAWAII,

UPS does not provide normal service to your area. However, if you live on the island of Oahu, Hawaii or in the Anchorage, Alaska area, we can ship by Air UPS. Otherwise, we only ship by Priority Mail since conventional Parcel Post to these places is transported by ship which can delay delivery by several weeks.

**IF YOU LIVE IN PUERTO RICO,** no hay servicio de UPS a ninguna ciudad dentro de Puerto Rico. Por eso solo enviamos nuestros productos por medio de correo de prioridad ya que paquetes convencionales pueden tardar en llegar varias semanas. **NOTE:** Now you can call us toll-free on our WATS line.

**IF YOU HAVE AN A.P.O. OR F.P.O. ADDRESS,** we ship to you by PAL (parcel airlift) which assures you of air service directly to your overseas base.

**CHARGE:** \$3.00 for each purchase.

## UPS TIMETABLE

Below is a guide to UPS's typical delivery period in working days:

CITY	STND.	AIR
Anchorage	—	3
Atlanta	3	2
Baltimore	1-2	
Boston	3	
Chicago	3-4	
Dallas	4-5	2
Denver	4-5	
Honolulu	—	3
Houston	4-5	2
Los Angeles	5-7	2
Miami	3-4	2
New Orleans	3-4	
New York	2	
Omaha	4-5	
Philadelphia	2	
Portland	5-7	2
Seattle	5-7	2
St. Louis	3-4	
Washington	1	





## CRUTCHFIELD TELEPHONE STAFF



**Dale Garner**  
Sales Representative



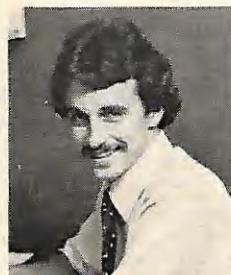
**Bill Bailey**  
Sales Representative



**Gene Bar**  
Sales Representative



**Britt Sudduth**  
Sales Representative



**Mark Gamble**  
Sales Representative



**Dicky Owen**  
Sales Representative



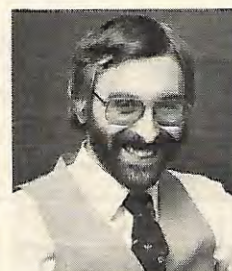
**Kirk Roller**  
Sales Representative



**Andy Vergales**  
Sales Representative



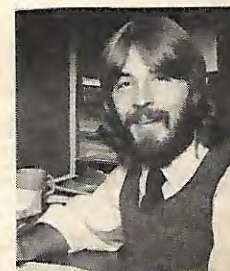
**Jeff Dillon**  
Sales Representative



**Dave Schaefer**  
Technical Director



**Joel Briggs**  
Technician



**Jim Allenson**  
Technician



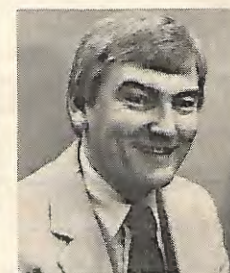
**Robert Yeamans**  
Technician



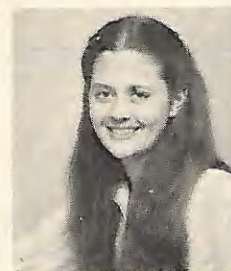
**Mike Waite**  
Technician



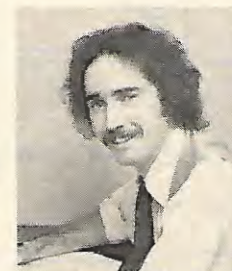
**Ceadric Washington**  
Technician



**Randy Lee**  
Technician



**Kris Ramazani**  
Customer Services Representative



**Tom Tucker**  
Customer Services Representative



**Liz Kullman**  
Customer Services Representative



**Beth Waite**  
Customer Services Representative

## CRUTCHFIELD'S FAMOUS CUSTOMER PROTECTION PLAN

**Satisfaction Guarantee** — We do everything possible to insure that you will be satisfied with your purchase. However, if for any reason you are not, return it to us within thirty days for a full and immediate refund. Naturally, all returns are conditional on the merchandise including its hardware, wires, and printed matter, and being returned undamaged and in its original packaging.\*

**Installation Guarantee** — Our Buyer's Guide is designed to provide you with all of the information necessary to select products which will fit into your car. However, if you should make a mistake and find that your purchase will not fit into your automobile, you may return it to us within thirty days for a full and immediate refund.\*

**Price Protection** — Inflation and currency instability have forced car stereo prices up considerably over the past year and, unfortunately, this trend will probably continue. However, we will honor the prices printed in this catalog or quoted over the telephone by our sales personnel until June 30, 1982.

**Repair Service Assistance** — With each purchase from us, you will be provided with complete information on the network of warranty stations (including Crutchfield) which are available to you and the procedures for utilizing these services. Furthermore, our Customer Services Department will be pleased to assist you with any repair-related problem.

**Factory Warranties** — Every item in this catalog is backed by the warranty of its manufacturer. We code the various warranty periods as follows: **A** for 2 years on parts and labor, **B** for 1 year on parts and labor, and **C** for 90 days on labor and 1 year on parts.

\*Call us toll free for return authorization. Records and tapes returnable only if unopened.



SPRING 1982 **ORDER FORM:** Please read the instructions on page 112.

**ORDERING INFORMATION:** If your mailing label is correctly addressed cut it out and attach it below.

☐ UPS (Free)                      ☐ PARCEL POST (Free)  
☐ AIR UPS                          ☐ FREIGHT COLLECT  
 (\$8 per pair of car speakers, \$4 for each additional product)  
☐ PRIORITY MAIL  
 (\$6 per pair of car speakers, \$3 for each other product)

Make \_\_\_\_\_  
Model \_\_\_\_\_ Year \_\_\_\_\_  
Air Conditioning? Yes ☐ No ☐ Power Windows? Yes ☐ No ☐

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone (        ) \_\_\_\_\_ TIME TO CALL \_\_\_\_\_

SALESMAN'S NAME AND NUMBER

[illegible]OFFICE  
USE  
ONLY

☐ MASTER CARD  
☐ VISA  
☐ AMERICAN EXPRESS

CARD  
NUMBER

[illegible]

NUMBER ABOVE YOUR NAME  
(MASTER CARD USERS ONLY)

**MY CARD  
EXPIRES:**

--	--	--	--

Signature of Card Holder \_\_\_\_\_

Bank that issued Card \_\_\_\_\_

CREDIT CARD ORDERS MUST BE SHIPPED TO THE CARD BILLING ADDRESS. \$25.00 MINIMUM

TOTAL FOR  
MERCHANDISE

Virginia Residents  
Add 4% Sales Tax

If order is under \$25  
add \$2.00 handling

Air Charge, if any

TOTAL

**PAYMENT FORM:**

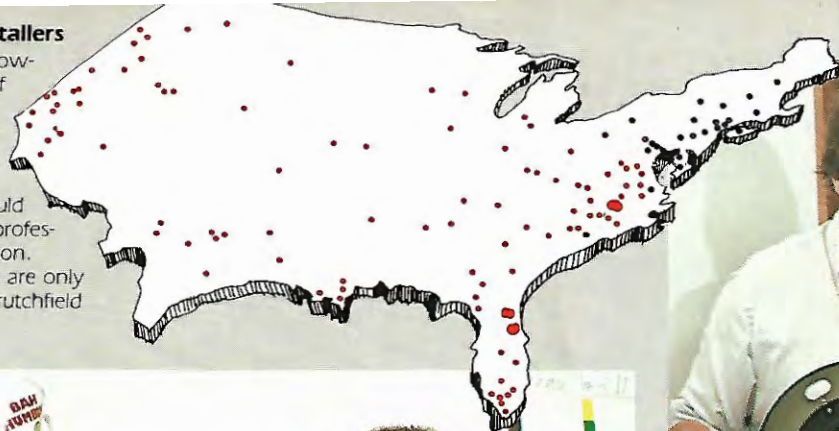
☐ Check  
☐ Money Order  
☐ Credit Card (see left)

**Please Note:** If you are purchasing a product that requires motor freight, you will be charged by the freight company when you receive your equipment. See page 112.



### Certified Installers

We have a growing network of independent installers to whom we can refer our customers should they desire a professional installation. These referrals are only provided to Crutchfield customers.



### Repair Shop

If your stereo or computer ever needs repairs, Crutchfield will save you a lot of headaches. Our Repair Shop is staffed with experienced technicians and equipped with the finest test equipment. This special service is reserved for Crutchfield customers.

### Product Selection and Evaluation

Every product that goes into a Crutchfield Catalog is run through our own testing laboratory to check for performance, serviceability, and quality of construction. Then we look at subjective factors like the product's value and its manufacturer's reputation.

# CRUTCHFIELD ELECTRONICS CENTER

### Crutchfield is Going Strong In Brunswick, Georgia

Don't forget there is a Crutchfield Electronics Center\* in Brunswick, Georgia. It's at 2915 Cypress Mill Road, only five minutes from Interstate 95's exit 8A. The phone number is (912) 264-0296.

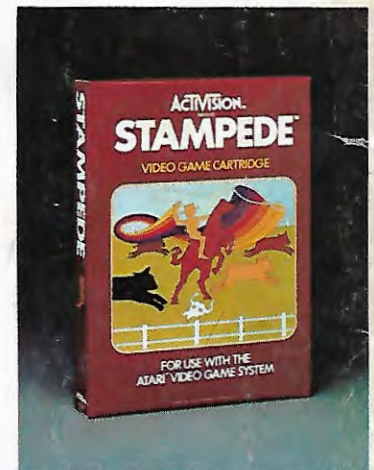
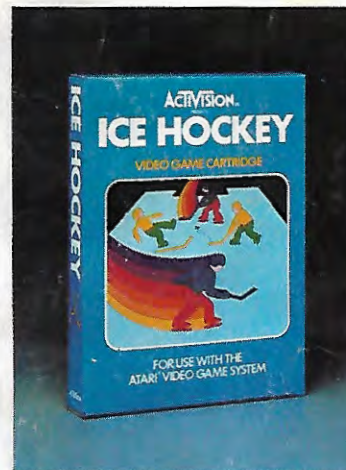
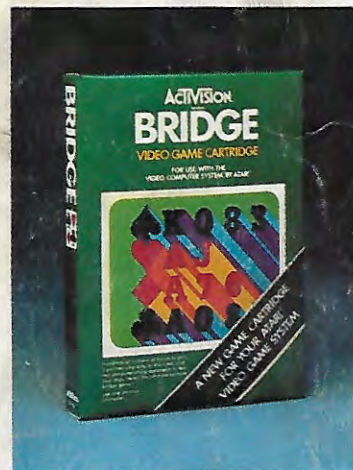
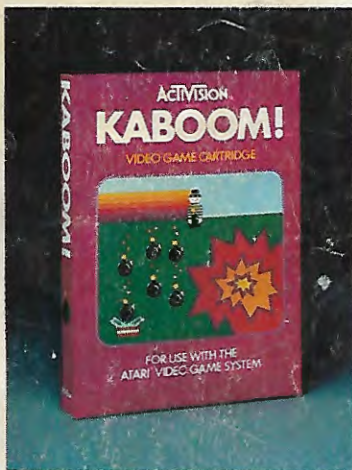
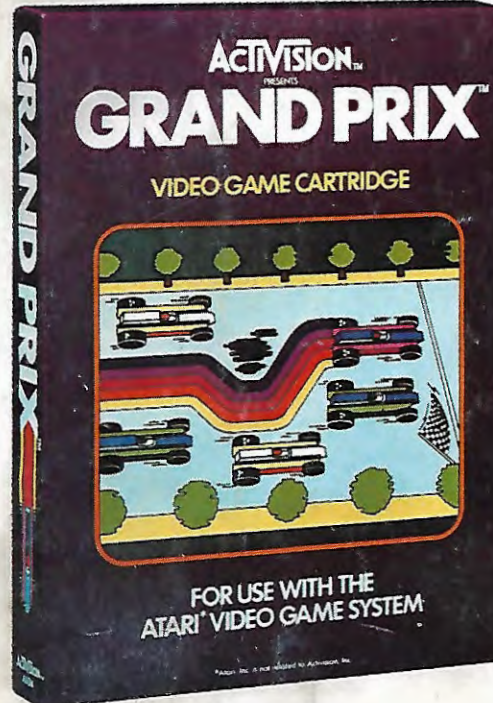
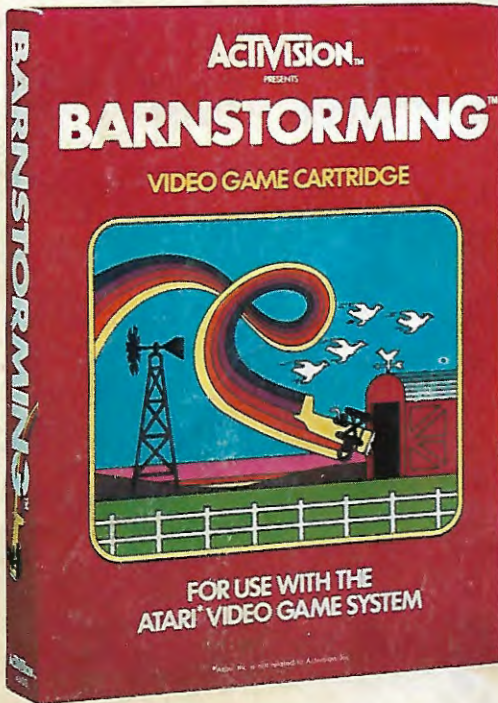
### Crutchfield is Now in Jacksonville!

We've opened a new 4,000 square foot Crutchfield Electronics Center\* in Jacksonville, Florida. Come by and let our polite, knowledgeable salesmen demonstrate most of the products found in this catalog. The Center has three installation bays staffed by the most experienced car stereo installers in the area. We're located in the Regency Pointe Plaza next to Coconuts Record Store.

\*Store prices may be slightly higher than our low catalog prices.



# ACTIVISION™ WE PUT YOU IN THE GAME



## CRUTCHFIELD'S TOLL FREE PHONES

To contact our sales department or to order a free catalog for a friend call toll free:

**800-446-1640**

In Virginia call 800-552-3961

Monday through Thursday from 8 a.m. until midnight Eastern Time, Friday from 8 a.m. until 9 p.m. Eastern Time, and Saturday and Sunday from 10 a.m. until 6 p.m. Eastern Time.

For help with any order related problem call Crutchfield's Customer Services Department toll free 800-446-7924. In Virginia call 800-552-3961. This department is open Monday through Friday from 9 a.m. until 5 p.m. Eastern Time.

To reach our repair shop or administrative department call 804-973-1811 (this is not toll free) Monday through Friday from 9 a.m. until 5 p.m. Eastern Time.

## CRUTCHFIELD

1 Crutchfield Park  
P.O. Caller 1  
Charlottesville, VA 22906

BULK RATE  
POSTAGE PAID  
CRUTCHFIELD

POSTMASTER: If addressee has moved please deliver to current resident.